Appendix A-1, Lakewood Southeast Project- Proposed Action Alternative (2) Stand Chart of Proposed Actions

Stand ID	Sub	Acres	Forest type	Year of origin	Ave. DBH	MA	Proposed Harvest	Other proposed actions	*Design Features
4037001	000	15	Red pine	1936	18	4B	thin		B5, D3, D9, I2
4037003	000	9	Red pine	1982	8	4B	thin		B5, D3, D9, I2
4037010	000	26	Red pine	1945	13	4B	shelterwood	sb, underplant	B5, I2
4037011	000	56	Red pine	1946	13	4B	thin		B5, I2
4037012	000	26	Pin oak	1928	10	4B	shelterwood		B5, D3, D9, G2, I1
4037016	000	6	Aspen	1946	15	4B	shelterwood		B5
4037019	000	21	Red oak	1933	12	4B	shelterwood		B5, D3, D9, I1
4037021	000	24	Red pine	1948	13	4B	thin		B5, D3, D9, I2
4037022	000	2	Hardwoods	1929	15	4B	shelterwood		B5, D3, D9
4037026	000	12	Red pine	1949	13	4B	thin		B5,D3, D9, I2
4037029	000	11	Red pine	1968	8	4B	thin		I2
4037033	000	26	Hardwoods	1924	12	4B	shelterwood		
4037034	000	18	Red pine	1949	12	4B	thin		B5, I2
4037036	000	11	Red pine	1950	12	4B	thin		B5, I2
4037040	000	3	Pin oak	1927	12	4B	shelterwood		B5, D3, D9, I1
4038005	000	59	Red pine	1940	14	4B	thin		B5, D3, D9, I2
4038007	000	14	Aspen	1971	6	4B	thin		B5, D2, D3, D9
4038008	000	21	Red pine	1940	15	4B	thin		B5, I2
4038016	000	10	Aspen	1973	6	4B	thin		B5, D2, D9
4040027	000	3	Red pine	1946	14	4B	thin		B5, H, J1, J2, I2
4049001	000	4	Aspen	1973	5	4B	thin		B5
4049008	000	72	Red pine	1936	14	4B	thin		B5, D3, D9, I2
4049012	000	108	Red pine	1983	7	4B	thin		B5, D3, D9, H, J1, I2
4049014	000	67	Red pine	1936	13	4B	thin		B5, D3, D9, I2
4049016	000	5	Red pine	1938	13	4B	thin		B5, D3, D9, I2
4049019	000	48	Red pine	1949	11	4B	thin		B5, D3, D9, H, J1, J2, I2
4049020	000	8	Red pine	1949	11	3C	thin		D3, D9, H, J1, I2
4050008	000	9	Red pine	1941	7	4B	thin	tsi	B5, D3, D9, H, J1, J2, I2
4050009	000	8	Red pine	1986	7	4B	thin		B5, D3, D9, H, J1, J2, I2

Stand ID	Sub	Acres	Forest type	Year of origin	Ave. DBH	MA	Proposed Harvest	Other proposed actions	*Design Features
4050012	000	3	Red pine	1941	5	4B	thin		B5, D3, D9, H, J1, I2
4050018	000	7	Red pine	1980	5	4B	thin		B5, H, J1, J2, I2
4050024	000	19	Aspen	1955	10	4B	thin		D3, D9
4050033	000	4	Red pine	1937	14	4B	thin		B5, H, J1, I2
4051002	000	11	Pin oak	1926	14	4B	shelterwood		B5, I1
4051009	000	12	Jack pine	1973	1	4B		underplant	
4051013	000	7	Red pine	1939	13	4B	thin		B5, I2
4051015	000	49	Red pine	1946	13	4B	thin		B5, I2
4051016	000	23	Red pine	1946	12	4B	thin		B5, D3, D9, I2
4051019	000	14	Pin oak	1934	15	4B	shelterwood		I1
4051020	000	16	Red pine	1985	8	4B	thin		B5, I2
4051023	000	4	Red pine	1941	14	4B	thin		B5, I2
4051024	000	5	Aspen	1973	5	4B	thin	underplant	B5
4051027	000	27	Red pine	1941	13	4B	thin		B5, I2
4051029	000	7	Pin oak	1906	14	4B	shelterwood	underplant	B5, D3, D9, I1
4051033	000	3	Aspen	1970	8	4B	thin		B5, D2, D9
4052007	000	37	Red pine	1966	9	4B	thin		B5, I2
4052008	000	58	Red pine	1946	13	4B	thin		B5, I2
4052010	000	52	Aspen	1983	1	4A		underburn	D7
4052011	000	147	Red oak	1920	13	4A	shelterwood	underburn, biomass	D7, H, J1, I1
4052012	000	62	Pin oak	1920	14	4A	shelterwood	underburn, biomass	D7, H, J1, J2, I1
4052014	000	13	Pin oak	1920	14	4A	shelterwood	underburn, biomass	D7, H, J1, I1
4052016	000	72	Red maple	1930	13	4A	shelterwood		H, J1, J2
4052018	000	20	Red pine	1940	13	4A	thin	underburn	H, J1, I2
4052021	000	20	Red pine	1940	13	4A	thin	underburn	B5, H, J1, J2, I2
4052022	000	51	Red oak	1934	12	4A	shelterwood	underburn, biomass	H, J1, J2, I1
4052023	000	20	Black ash	1935	6	4A		underburn	D7
4052027	000	34	Hardwoods	1930	12	4A	shelterwood		B4, H, J1, J2
4052037	000	10	Aspen	1934	10	4A	clearcut		H, J1, J2
4052038	000	24	Red maple	1922	8.02	4A	shelterwood		H, J1
4052109	000	0	Open	0	0	4A		underburn	B4
4052110	000	2	Open	0	0	4A		underburn	

Stand ID	Sub	Acres	Forest type	Year of origin	Ave. DBH	MA	Proposed Harvest	Other proposed actions	*Design Features
4052116	000	0	Open	0	0	4A		underburn	
4053003	000	30	Red pine	1941	13	4B	thin		B5, J2, I2
4053012	000	17	Red pine	1950	14	4A	thin		B5, H, J1, I2
4053013	000	5	Red pine	1940	15	4A	thin		B5, H, J1, J2, I2
4053014	000	19	Aspen	1935	12	4A	shelterwood		B5, H, J1, J2, I2
4053015	000	11	Aspen	1940	8	4A	shelterwood		B5, H, J1, I2
4054003	000	28	Red pine	1937	12	4B	thin		B5, D3, D9, I2
4054005	000	15	Hardwoods	1922	14	4B	shelterwood	underplant	
4054009	000	12	Red oak	1920	14	4B	shelterwood	underplant	D3, D9, G2, I1
4054013	000	4	White oak	1919	12	4B	shelterwood		B4, B5, I1
4054015	000	7	Red oak	1927	10	4B	shelterwood		D3, D9, G2, I1
4054016	000	83	Red oak	1931	10	4B	shelterwood		D3, D9, G2, I1
4054017	000	18	Hardwoods	1945	14	4B	shelterwood		B5, M
4054022	000	45	Hardwoods	1930	12	4B	shelterwood	underplant	B5, D3, D9
4054025	000	4	Red oak	1939	16	4B	shelterwood	underplant	B5, D3, D9, I1
4054026	000	9	Aspen	1939	10	4B	shelterwood		B5, I2
4055021	000	39	Red pine	1936	12	4B	shelterwood	sb, underplant	B5, D3, D7, D9, I2
4055022	000	32	Red pine	1936	12	4B	thin		B5, D3, D9, I2
4055023	000	37	Red pine	1936	12	4B	thin		B5, D3, D9, I2
4058016	000	15	Aspen	1957	12	4B	shelterwood		B5, I2
4058018	000	82	Hardwoods	1912	12	4B	shelterwood		B5, D3, D9
4058028	000	12	Aspen	1958	10	4B	shelterwood		B5, I2
4058034	000	10	Hardwoods	1938	12	4B	shelterwood	underplant	B5, D3, D9, G2
4067008	000	14	Aspen	1929	10	2C	shelterwood		B5, I2
4067009	000	24	Red pine	1926	15	2C	thin		B5, D3, D9, I2
4067010	000	3	Aspen	1932	10	2C	thin		B5, D2, D3, D9
4067036	000	23	Aspen	1930	10	2C	shelterwood		B5, I2
4067037	000	29	Hardwoods	1930	10	2C	shelterwood		B5
4068002	000	28	Aspen	1930	11	4B	shelterwood		B5, D3, D9, G2, I2
4068004	000	10	Aspen	1933	13	4B	thin		B5
4068007	000	16	Aspen	1930	8	4B	thin		B4, D3, D9
4068007	050	3	Aspen	1930	8	4B	thin		B4, D2, D3, D9
4068007	051	4	Aspen	1930	8	4B	thin		B4, D2, D3, D9
4068013	000	26	Hardwoods	1929	12	4B	shelterwood		B5, D3, D9

Stand ID	Sub	Acres	Forest type	Year of origin	Ave. DBH	MA	Proposed Harvest	Other proposed actions	*Design Features
4068015	000	40	Aspen	1955	11	4B	thin		B5, D3, D9
4068017	000	11	Aspen	1972	6	4B	thin		B5, D3, D9
4068024	000	14	Aspen	1931	8	4B	thin		B5, D2, D3, D9
4068024	051	13	Aspen	1931	8	4B	thin		B5, D3, D9
4068028	000	26	Aspen	1957	11	4B	shelterwood		B5, I2
4068029	000	25	Hardwoods	1931	10	4B	shelterwood		
4068030	000	16	Aspen	1957	10	2C	thin		D1, D2, D3, D9
4068036	000	63	Aspen	1927	10	4B	thin	underplant	B5, D2, D3, D9
4068036	052	13	Aspen	1927	10	4B	thin	underpalnt	B5, D2, D3, D9
4068036	053	9	Aspen	1927	10	4B	thin	underpalnt	B5, D2, D3, D9
4068036	054	1	Aspen	1927	10	4B	thin		B5, D2, D3, D9
4068038	000	8	Mixed pines	1941	7	4B	thin		B5, I2
4068040	000	33	Red pine	1941	13	4B	thin	underplant	B5, I2
4068043	000	17	Aspen	1927	10	4B	thin		B5, D2, D3, D9
4068044	000	20	White pine-hemlock	1941	12	4B	thin	underplant	B5, I2
4068052	000	9	Aspen	1957	10	4B	thin		B5
4068054	000	16	Aspen	1954	12	4B	thin		B5, D2, D3, D9
4068055	000	15	Aspen	1937	9	4B	thin		B5
4068056	000	71	Hardwoods	1932	11	4B	shelterwood	underplant	B5, D3, D9
4068059	000	36	Jack pine	1941	10	4B	clearcut	fp red pine	I2
4069004	000	14	Aspen	1955	10	4B	thin	underplant	B4, B5, J1, J2
4069004	051	13	Aspen	1955	10	4B	thin	underplant	D2, D3, D9, J1, J2
4069010	000	12	Red oak	1918	13	4B	shelterwood		I1
4069015	000	53	Aspen	1961	11	4B	thin		J1
4069017	000	9	Red oak	1927	14	4B	shelterwood		I1
4069018	000	21	Red oak	1927	14	4B	shelterwood		J1, J2, I1
4069019	000	34	Aspen	1939	15	4B	thin		J1, J2
4069020	000	7	Jack pine	1935	14	4B	thin		J1, J2, I2
4069021	000	10	Red oak	1929	15	4B	shelterwood	underplant	I1
4069029	000	33	Aspen	1960	10	4B	thin	underplant	
4069029	050	34	Aspen	1960	10	4B	thin	underplant	D2, D3, D9
4069029	051	9	Aspen	1960	10	4B	thin	underplant	B5, D2, D3, D9
4069032	000	8	Red pine	1938	11	4B	thin		J1, J2, I2
4069034	000	3	Aspen	1936	11	4B	thin		
4069035	000	5	Jack pine	1939	8	4B	clearcut	fp red pine	I2
4069036	000	13	Aspen	1947	12	4B	thin		

Stand ID	Sub	Acres	Forest type	Year of origin	Ave. DBH	MA	Proposed Harvest	Other proposed actions	*Design Features
4069037	000	8	Aspen	1927	11	4B	thin		
4069038	000	3	Aspen	1939	14	4B	thin		J1
4070001	000	6	Hardwoods	1952	10	4B	shelterwood		
4070003	000	67	Red oak	1921	14	4B	shelterwood		I1
4070005	000	14	Mixed pines	1930	14	4B	shelterwood		I2
4070007	000	3	Red pine	1938	14	4B	thin		I2
4070008	000	29	Red oak	1928	16	4B	shelterwood		I1
4070013	000	16	Hardwoods	1932	12	4B	shelterwood		
4072007	000	45	Hardwoods	1933	11	4B	shelterwood		B5
4072012	000	29	Red pine	1938	13	4B	thin		I2
4072015	000	27	Red pine	1971	8	4A	thin		B5, I2
4072020	000	19	Hardwoods	1933	10	4A	shelterwood		B5
4072024	000	4	Hardwoods	1933	11	4A	shelterwood		B5
4072026	000	9	Aspen	1961	11	4B	thin	underplant	B5
4072027	000	28	Hardwoods	1933	12	4B	shelterwood		B5
4072028	000	7	Red pine	1938	12	4B	thin		I2
4072037	000	19	Red oak	1932	11	4B	shelterwood		I1
4072038	000	5	Red pine	1938	14	4B	thin		I2
4072048	000	18	Aspen	1953	9	4B	thin	underplant	
4072050	000	8	Red maple	1938	12	4B	shelterwood		
4072051	000	17	Aspen	1934	10	4B	thin	underplant	
4072052	000	7	Red oak	1926	11	4B	shelterwood		I1
4072053	000	20	Aspen	1954	11	4B	thin	underplant	
4072057	000	18	Aspen	1950	9	4B	thin	underplant	
4072059	000	7	Red oak	1955	11	4B	thin		B5, I1
4073001	000	17	Aspen	1934	10	4B	thin		
4073006	000	32	Jack pine-oak	1941	10	4A	shelterwood		B5, J2, I2
4073008	000	14	Red pine	1941	12	4B	thin		B5, I2
4073012	000	11	Jack pine-oak	1941	6	8G		underburn	D7
4073013	000	10	Red pine	1941	10	8G		underburn	D7
4073014	000	11	Aspen	1969	6	8G		underburn	D7
4073017	000	12	Red pine-oak	1941	12	4A	shelterwood	underburn, biomass	D7, I2
4073018	000	43	Aspen	1969	10	4A		underburn	D7
4073019	000	9	Red pine	1941	10	4A	thin	underburn, biomass	D7, I2

Stand ID	Sub	Acres	Forest type	Year of origin	Ave. DBH	MA	Proposed Harvest	Other proposed actions	*Design Features
4073020	000	26	Red pine	1941	12	4A	thin	underburn, biomass	D7, I2
4073022	000	47	White pine-red oak	1925	10	4A	shelterwood	underburn, biomass	I2, M, N
4073023	000	20	Jack pine	1941	12	4A	special cut	underburn, biomass	I2, M, N
4073024	000	11	Jack pine-oak	1994	0	4A		underburn	
4073025	000	21	Red oak	1941	4	4B	shelterwood		B5, I1
4073026	000	30	Hardwoods	1941	8	4A		underburn	
4073030	000	7	white pine-red oak	1941	12	4A	shelterwood		B5, I2
4073031	000	9	Jack pine	1940	10	4B	clearcut	fp red pine	G3, I2
4073032	000	20	white pine-red oak	1925	8	4A	shelterwood	underburn, biomass	D7, I2, M, N
4073033	000	17	Red pine	1941	10	4A	thin		B5, J2, I2
4073034	000	4	Aspen	1941	10	4A	clearcut		B5, G3
4073035	000	1	Red pine	1941	10	4A	thin		B5, I2
4073036	000	151	Aspen	1969	8	4B	thin	underburn	B5, D3, D7, D9
4073037	000	11	Jack pine-oak	1941	10	4B	thin		B5
4073076	000	0	Lowland shrubs	0	0	4A		underburn	B4
4073077	000	1	Open	0	0	4A		underburn	D7
4073078	000	1	Open	0	0	4A		underburn	
4073080	000	3	Lowland shrubs	0	0	4A		underburn	D7, B4
4073081	000	2	Open	0	0	4A		underburn	D7
4073086	000	2	Open	0	0	4B		underburn	
4073087	000	0	Lowland shrubs	0	0	4B		underburn	B4, D7
4073088	000	1	Lowland shrubs	0	0	4B		underburn	B4
4073090	000	1	Open	0	0	4B		underburn	B4
4073093	000	2	Open	0	0	4A		underburn	D7
4073105	000	2	Open	0	0	4A		underburn	
4073108	000	9	Open	0	0	4A		underburn	B4
4073109	000	2	Open	0	0	4A		underburn	B4
4073110	000	1	Open	0	0	4A		underburn	B4
4073111	000	1	Open	0	0	4A		underburn	B4

Stand ID	Sub	Acres	Forest type	Year of origin	Ave. DBH	MA	Proposed Harvest	Other proposed actions	*Design Features
4073112	000	1	Open	0	0	4A		underburn	
4073113	000	10	Open	0	0	4A		underburn	B4
4073114	000	2	Open	0	0	4A		underburn	
4073115	000	1	Open	0	0	4A		underburn	
4073117	000	1	Open	0	0	4A		underburn	
4073118	000	1	Open	0	0	4A		underburn	
4073119	000	1	Open	0	0	4A		underburn	B4
4073120	000	1	Open	0	0	4B		underburn	
4074001	000	14	Jack pine	1990	0	4B		underburn	
4074002	000	12	Red pine	1950	12	4B	thin		I2
4074004	000	142	Red oak	1927	14	4B	shelterwood	underplant	J1, J2, I1
4074005	000	7	Oak-aspen	1961	10	4B	thin		J1, J2, I1
4074006	000	32	Red oak	1930	12	4B	shelterwood	underplant	J1, J2, I1
4074007	000	57	Red oak	1930	12	4B	shelterwood	underplant	J1, J2, I1
4074008	000	118	Red oak	1931	12	4B	shelterwood	underplant	D3, D9, I1
4074009	000	15	Aspen	1949	12	4B	thin		B5
4074010	000	6	Red pine	1941	12	4B	thin	tsi	B5, I2
4074011	000	29	Hardwoods	1951	10	4B	thin	tsi	B5, J1, J2
4074012	000	26	Aspen	1961	12	4B	thin		B5
4074013	000	48	Red pine	1940	12	4B	thin	tsi	B5, J1, J2, I2
4074015	000	14	Hardwoods	1919	11	4B	shelterwood		B5, J1, J2
4074017	000	33	Red pine	1941	14	4B	shelterwood	sb, underplant	B5, J1, I2
4074021	000	7	Red pine	1945	12	4B	thin		B5, I2
4074023	000	45	Red pine	1945	12	4B	thin		J1, J2, I2
4074024	000	11	Red pine	1945	14	4B	thin		J1, I2
4074025	000	9	Red pine	1926	14	4B	thin		J1, I2
4074028	000	2	Aspen	1945	6	4B	thin		J1, J2
4074029	000	7	Aspen	1945	8	4B	thin		J1, J2
4074030	000	2	Red pine	1925	6.8	4B	thin	underburn, biomass	I2
4074031	000	2	Jack pine	1985	8	4B		underburn	
4074032	000	4	Red pine	1925	7.5	4B	thin		B5, I2
4074033	000	16	Open	0	0	4B		underburn	
4074034	000	63	Red oak	0	10.8	4B	shelterwood	underplant	I1
4075001	000	14	Hardwoods	1925	12	4A	shelterwood		J1, J2
4075002	000	10	Hardwoods	1920	12	4A	shelterwood		J1
4075003	000	21	Aspen	1924	8	4A	clearcut		J1

Stand ID	Sub	Acres	Forest type	Year of origin	Ave. DBH	MA	Proposed Harvest	Other proposed actions	*Design Features
4075008	000	12	Hardwoods	1929	11	4A	shelterwood		J1
4075009	000	14	Red oak	1919	12	4A	shelterwood		J1, I1
4075011	050	31	Aspen	1924	10	4A	clearcut		D3, D9, J1
4075011	052	0	Aspen	1924	10	4A	thin		D3, D9, J1
4075013	000	23	Aspen	1914	11	4A	shelterwood		J1, I2
4075015	000	14	Red pine	1945	12	4A	thin		J1, I2
4075016	050	12	Aspen	1936	12	4A	clearcut		J1,J2
4075016	051	21	Aspen	1936	12	4A	thin		D1, D3, D9, J1, J2
4075016	052	4	Aspen	1936	12	4A	clearcut		J1, J2
4075021	000	33	white pine-red oak	1922	13	4A	shelterwood	tsi	D1, D3, D9, J1, J2, I2
4075023	050	16	Aspen	1933	8	4A	clearcut		B5, D1, D9, J1
4075023	051	10	Aspen	1933	8	4A	thin		B5, D1, D3, D9, J1
4075025	000	29	Aspen	1930	8	4A	thin		D1, D3, D9, J1, J2
4075025	000	3	Aspen	1930	8	4A	thin		D1, D9, J1, J2
4076003	000	1	Red pine	1941	13	4B	thin		I2
4076006	000	26	Red maple	1955	9	4B	thin		B5, D3, D9
4076008	000	3	Red pine	1941	13	4B	thin		I2
4076010	000	18	Hardwoods	1923	12	4B	shelterwood		B5, D3, D9
4076011	000	32	Red pine	1920	16	4B	thin		B5, D3, D9, I2
4076013	000	33	Red maple	1954	8	4B	thin		
4076014	000	36	Red pine	1940	13	4B	thin		I2
4076015	000	17	White pine-red oak	1927	12	4B	shelterwood		B5, D1, D3, I2
4076021	000	18	Aspen	1941	9	4B	thin		B5, D1, D3, I2
4076022	000	44	Red pine	1941	13	4B	thin		D3, D9, I2
4076027	000	28	Aspen	1910	12	4B	shelterwood		
4076031	000	71	White pine-red oak	1924	11	4B	shelterwood		B5, D3, D9, I2
4076032	000	42	Red oak	1924	12	4B	shelterwood		B5, I1
4076033	000	12	Red pine	1936	13	4B	thin		B5, I2
4076035	000	10	Hardwoods	1926	10	4B	shelterwood		B5
4076036	000	16	Red pine	1950	12	4B	thin	tsi	B5, D3, D9, I2
4076037	000	9	Red pine	1979	6	4B	thin		B5, I2
4076040	000	12	Red pine	1941	11	4B	thin	tsi	I2
4076106	000	1	Upland	0	0	4B		underburn	

Stand ID	Sub	Acres	Forest type	Year of origin	Ave. DBH	MA	Proposed Harvest	Other proposed actions	*Design Features
			shrubs						
4077001	000	36	Jack pine	1940	9	4A	clearcut	fp red pine	B5, I2
4077002	000	50	Red pine	1941	10	4A	thin	tsi	B5, J1, J2, I2
4077003	000	6	Red pine	1941	10	4A	clearcut	fp red pine	B5, J1, J2, I2
4077004	000	3	Red pine	1941	12	4A	thin	tsi	B5, I2
4077005	000	40	Hardwoods	1932	13	4A	shelterwood	tsi	B5, J1, J2
4077006	000	28	Aspen	1960	10	4A	clearcut		B5,J1, J2
4077008	000	44	Hardwoods	1933	12	4A	selection		D3, D9, M
4077009	000	95	Hardwoods	1933	11	4A	shelterwood	underplant	D3, D9, J1, J2, G2
4077010	000	39	Hardwoods	1934	12	4A	shelterwood	underplant	J1
4077014	000	21	Aspen	1958	10	4A	clearcut		B5, J1, J2
4077015	000	18	Red oak	1932	14	4A	shelterwood		B5, D3, D9, I1
4077016	000	10	Hardwoods	1957	12	4A	thin	underplant	B5, J1
4077022	000	11	Red pine	1941	11	4A	clearcut	fp red pine	B5, I2
4077024	000	19	Red pine	1930	13	4A		tsi	
4077025	000	37	Jack pine	1955	10	4A	clearcut	fp jack pine	I2
4077039	000	10	Aspen	1969	6	4A	clearcut		B5
4077040	000	12	Aspen	1969	8	4A	clearcut		B5, D1, D9
4077045	000	3	Jack pine	1940	6	4A	clearcut	fp jack pine	I2
4078004	000	13	Aspen	1929	8	4A	shelterwood		B5, D1, D3, D9, I2
4078008	000	9	White pine	1966	10	4A	thin		B5, D1, D9, I2
4078009	000	12	Red pine	1955	8	4A	thin	underplant	B5, I2
4078010	000	21	Red maple	1929	11	4A	shelterwood		B5, D1, D3, D9, J1, J2
4078011	000	28	Hardwoods	1932	14	4A	shelterwood		J1, J2
4078012	000	11	Hardwoods	1927	12	4A	shelterwood		D1, D9, J1, J2
4078014	000	59	Hardwoods	1956	14	4A	thin		D1, D3, D9, J1, J2
4078015	000	85	Hardwoods	1924	13	4A	shelterwood	underplant	J1, J2
4078016	000	28	Red pine	1975	6	4A	thin		B5, I2
4078018	000	4	Hardwoods	1924	13	4A	shelterwood		J1
4078019	000	30	Hardwoods	1930	9	4A	shelterwood		B5, D3, D9
4078021	000	26	Aspen	1933	10	4A	shelterwood		B5, D1, D9
4078022	000	27	Red maple	1928	14	4A	shelterwood	underplant	J1
4078023	000	4	Red pine	1955	10	4A	thin		B5, I2
4078024	000	55	white pine-red oak	1964	11	4A	thin	tsi	B5, I2

Stand ID	Sub	Acres	Forest type	Year of origin	Ave. DBH	MA	Proposed Harvest	Other proposed actions	*Design Features
4078026	000	27	Hardwoods	1921	14	4A	selection		M, G2
4078027	000	14	Hardwoods	1921	13	4A	selection		D3, D9, M, G2
4078033	000	20	Red pine	1975	8	4A	thin	underplant	B5, I2
4078034	000	23	White pine	1965	11	4A	thin		B5, I2
4078110	000	2	Open	0	0	4A		underburn	
4079002	000	12	Red pine	1951	9	4A	thin		B5, I2
4079013	000	16	Aspen	1970	6	4A	clearcut		
4079013	50	14	Aspen	1970	6	4A	thin		
4079016	000	39	Aspen	1931	11	4A	clearcut		D1, D9
4079016	050	10	Aspen	1931	11	4A	thin		
4079020	000	64	Hardwoods	1933	13	4A	selection		B4
4079022	050	20	Aspen	1957	9	4A	clearcut		
4079022	051	10	Aspen	1957	9	4A	thin		D1, D3, D9
4079023	000	18	Hardwoods	1932	9	4A	shelterwood	underplant	B4, B5, J2
4079025	000	81	Hardwoods	1932	12	4A	shelterwood	underplant	J2
4079027	000	10	Aspen	1957	12	4A	clearcut		
4079027	050	5	Aspen	1957	12	4A	thin		
4079030	000	21	Aspen	1957	8	4A	clearcut		B5, D1, D9
4079030	050	6	Aspen	1957	8	4A	thin		B5, D1, D3, D9
4079030	051	7	Aspen	1957	8	4A	thin		B5
4079039	000	97	Red pine	1949	11	4A	thin		I2
4079040	000	4	Red pine	1949	12	4A	thin		I2
4082003	000	5	Aspen	1958	2	4A	thin		D1, D3, D9
4082005	000	16	Aspen	1939	7	4A	shelterwood		D1, D3, D9, I2
4082006	000	112	Red pine	1942	11	4A	thin	tsi	I2
4082008	000	16	Aspen	1948	11	4A	clearcut		
4082008	051	5	Aspen	1948	11	4A	thin		D1, D3, D 9
4082008	052	2	Aspen	1948	11	4A	thin		D1, D9
4082009	000	211	Red pine	1953	11	4A	thin		D1, D3, D9, I2
4082011	000	13	Red pine	1942	10	4A	thin	underplant	I2
4082012	000	10	White pine	1942	17	4A	thin		D3, D9, I2
4082013	000	13	Aspen	1946	12	4A	thin		D1, D3, D9
4082015	000	9	Red pine	1944	10	4A	thin		B5, D3, D9, G2, I2
4082016	000	32	Aspen	1952	10	4A	thin	underplant	B5, D1, D3, D9
4082019	000	31	Red pine	1960	10	4A	thin		I2
4083001	000	19	Hardwoods	1929	12	4A	shelterwood		J1, J2
4083002	000	7	White pine	1893	18	4A	shelterwood		B4, J1, I2

Stand ID	Sub	Acres	Forest type	Year of origin	Ave. DBH	MA	Proposed Harvest	Other proposed actions	*Design Features
4083003	000	26	Hardwoods	1920	9.02	4A	shelterwood		J1, J2
4083004	000	34	Aspen	1957	12	4A	thin		J1, J2
4083004	050	4	Aspen	1957	12	4A	thin		D1, D3, D9, J1, J2
4083004	051	5	Aspen	1957	12	4A	thin		D1, D9, J1, J2
4083005	000	6	Hardwoods	1938	12	4A	shelterwood		D3, D9, J1, J2
4083007	000	2	Aspen	1927	13	4A	thin		
4083007	051	21	Aspen	1927	13	4A	thin		B5, D3, D9
4083010	000	29	Hardwoods	1921	10	4A	shelterwood		
4083015	000	85	Aspen	1957	10	4A	shelterwood		D3, D9, I2
4083016	000	25	Hardwoods	1931	11	4A	shelterwood		
4083017	000	19	Aspen	1927	11	4A	clearcut		D1, D9
4083023	000	5	Hardwoods	1931	11	4A	shelterwood		
4083028	000	10	Aspen	1932	11	4A	shelterwood		I2
4083029	000	26	Red pine	1938	13	4A	thin		I2
4084007	000	8	Red pine	1922	10	4A	thin		B5, I2
4084018	000	5	Red pine	1960	9	4A	thin		I2
4084021	000	17	Red pine	1961	9	4A	thin		I2
4084027	000	19	Red pine	1979	7	4A	thin		I2
4084029	000	11	Red pine	1945	11	4A	thin		I2
4084114	000	2	Open	0	0	4A		underburn	
4085001	000	21	Red pine	1973	7	4B	thin	biomass	I2
4085006	000	19	Aspen	1935	12	4B	thin		
4085016	000	17	Aspen	1925	10	4B	thin		B5
4085023	000	2	White pine	1945	16	4B	thin		B5, I2
4086001	000	1	Aspen	1991	0	4A		underburn	
4086002	000	17	Lowland conifer	1881	8	4A		underburn	B4, D7
4086003	000	10	Lowland hardwoods	1929	6	4A		underburn	B4, D7
4086004	000	54	Hardwoods	1930	14	4A	special cut	underburn, biomass	D7, J2, N
4086005	000	132	Jack pine-oak	1963	12	4A	special cut	underburn, biomass	J2, I2, M, N
4086006	000	43	Hardwoods	1930	13	4A	shelterwood	underburn, biomass	D3, D7, D9, J2, N
4086007	000	59	Aspen	1940	11	4A	special cut	underburn, biomass	N
4086008	000	28	Jack pine	1992	2	4A		underburn	

Stand ID	Sub	Acres	Forest type	Year of origin	Ave. DBH	MA	Proposed Harvest	Other proposed actions	*Design Features
4086009	000	16	Aspen	1929	11	4A	thin	underburn	B5, N
4086010	000	37	Jack pine	1993	0	4A		underburn	
4086011	000	10	Aspen	1991	0	4A		underburn	
4086012	000	30	Red pine-oak	1940	12	4A	special cut	underburn, biomass	J2, I2, M, N
4086013	000	44	Jack pine-oak	1945	14	4B	clearcut	fp red/white pine, biomass	I2
4086014	000	33	Jack pine	1994	0	4B		pt, biomass	
4086015	000	34	Jack pine-oak	1945	10	4B	clearcut	fp red pine, biomass	I2
4086016	000	23	Red pine	1929	11	4B	thin	biomass	I2
4086018	000	16	Jack pine	1991	0	4B		pt, biomass	
4086019	000	39	Red pine-oak	1945	12	4A		underburn	
4086021	000	3	Red pine	1940	12	4B	thin		I2
4086022	000	8	Aspen	1931	12	4A	special cut	underburn, biomass	N
4086023	000	13	Aspen	1992	0	4A		underburn	
4086024	000	13	Jack pine	1940	12	4A	special cut	underburn, biomass	J2, I2, M, N
4086025	000	23	Aspen	1929	12	4A	clearcut	underburn	B5, D3, D7, D9, J2, N
4086026	000	22	Jack pine-oak	1940	10	4A	special cut	underburn, biomass	J2, I2, M, N
4086027	000	26	Jack pine	1993	0	4A		underburn	
4086028	000	50	Jack pine-oak	1940	12	4A	special cut	underburn, biomass	J2, I2, M, N
4086029	000	20	Hardwoods	1940	12	4B	shelterwood		B5
4086030	000	9	Aspen	1928	5	4A	clearcut		
4086031	000	5	Aspen	1991	0	4A		underburn	
4086051	000	0	Open	0	0	4A		underburn	
4086052	000	1	Open	0	0	4A		underburn	
4086101	000	2	Open	0	0	4A		underburn	B4
4086102	000	2	Open	0	0	4A		underburn	
4086103	000	1	Open	0	0	4A		underburn	
4086104	000	0	Open	0	0	4A		underburn	
4086105	000	1	Open	0	0	4A		underburn	
4086106	000	1	Open	0	0	4A		underburn	

Stand ID	Sub	Acres	Forest type	Year of origin	Ave. DBH	MA	Proposed Harvest	Other proposed actions	*Design Features
4086107	000	2	Open	0	0	4A		underburn	
4086111	000	0	Open	0	0	4A		underburn	
4086112	000	0	Open	0	0	4B		underburn	
4086116	000	1	Open	0	0	4B		underburn	
4086117	000	0	Open	0	0	4B		underburn	
4086119	000	3	Open	0	0	4A		underburn	
4087001	000	5	Aspen	1929	14	4A	clearcut		G3
4087002	000	30	Red pine-oak	1938	11	4A	thin	tsi	J2, I2
4087007	000	9	Pin oak	1911	12	4A	shelterwood		B5, J2, I1
4087008	000	56	Aspen	1948	14	4A	clearcut	underburn	B5, J2
4087009	000	100	Red pine	1938	14	4A	thin	underburn, biomass	D3, D7, D9, I2, M
4087011	000	89	Pin oak	1929	13	4A	shelterwood		B5, J2, I1
4087012	000	59	Red pine-oak	1940	12	4A	thin	biomass	I1, I2
4087013	000	7	Red pine-oak	1938	12	4A	thin	biomass	I1, I2
4087015	000	22	Hardwoods	1920	14	4A	shelterwood		B5, D3, D9
4087016	000	37	Red pine	1960	11	4A	thin	underburn, biomass	D3, D7, D9, I2
4087020	000	22	White pine	1900	12	8G		underburn	D7
4087021	000	27	Red pine	1987	6	4A		underburn	D7
4087022	000	6	Red maple	1947	6	8G		underburn	
4087023	000	15	Red pine	1900	14	8G		underburn	D7
4087024	000	22	Red pine-oak	1947	8	8G		underburn	
4087025	000	8	Jack pine	1937	8	8G		underburn	
4087026	000	7	Red pine	1948	8	8G		underburn	
4087027	000	21	Red pine	1900	12	8G		underburn	D7
4087028	000	52	Lowland conifer	1924	6	8G		underburn	B4, D7
4087029	000	53	White pine	1900	14	8G		underburn	D7
4087030	000	28	Aspen	1962	6	8G		underburn	D7
4087031	000	2	Red pine	1964	6	8G		underburn	
4087032	000	0	Red pine	1964	6	8G		underburn	
4087034	000	12	Red pine-oak	1930	8	8G		underburn	D7
4087035	000	46	Black ash	1920	5	8G		underburn	B4, D7

Stand ID	Sub	Acres	Forest type	Year of origin	Ave. DBH	MA	Proposed Harvest	Other proposed actions	*Design Features
4087036	000	11	Aspen	1983	2	4A		underburn	B5, D7
4087038	000	5	Red pine	1938	11	4A	thin	underburn, biomass	I2
4087040	000	24	Aspen	1962	12	4A	thin		B5, D3, D9
4087051	000	10	Red pine	1900	14	8G		underburn	
4087106	000	0	Open	1985	0	4A		underburn	
4088002	000	18	Jack pine	1936	12	4A	clearcut	fp jack pine	I2
4088003	000	31	Mixed pines	1936	11	4A	thin		I2
4088008	000	5	Aspen	1966	8	8G		underburn	D7
4088009	000	15	Aspen	1962	10	4A	clearcut	underburn	B5
4088010	000	18	Aspen	1967	10	4A	thin		B5
4088011	000	10	Red pine	1941	12	4A	thin	underburn, biomass	J2, I2, M
4088012	000	5	Aspen	1991	0	4A		underburn	B5
4088013	000	10	white pine-red oak	1941	12	4A	thin	underburn, biomass	J2, I2, M
4088014	000	18	Aspen	1967	12	4A	thin		B5, J2
4088015	000	37	Red pine-oak	1941	10	8G		underburn	D7
4088016	000	11	White pine	1919	14	4A	shelterwood	underburn, biomass	D7, J2, I2, M
4088017	000	10	Aspen	1961	10	4A	clearcut	underburn	B5, I2
4088018	000	7	Aspen	1966	10	4A	clearcut		G3
4088019	000	10	Aspen	1994	2	4A		underburn	B5
4089001	000	18	Red pine	1946	11	4A	thin	underburn, biomass	I2
4089002	000	48	Red pine	1942	14	4A	thin	underburn, biomass	D7, I2, M
4089003	000	2	White pine-red oak	1920	10	4A	shelterwood	underburn, biomass	I2, M
4089004	000	9	White pine	1935	20	4A	shelterwood	underburn, biomass	D7, I2, M
4089005	000	4	Aspen	1980	3	4A		underburn	D7
4089006	000	15	Red pine	1961	12	4A		underburn	B4, D7
4089007	000	3	Red pine	1948	12	4A	thin	underburn, biomass	D7, I2, M
4089008	000	3	Lowland shrubs	0	0	4A		underburn	B4, D7
4089009	000	9	Aspen	1980	1	4A		underburn	D7
4089010	000	20	Pin oak	2007	1	4A		underburn	

Stand ID	Sub	Acres	Forest type	Year of origin	Ave. DBH	MA	Proposed Harvest	Other proposed actions	*Design Features
4089011	000	4	White spruce	1911	12	4A	thin	underburn, biomass	D7, I2, M
4089012	000	30	White pine	1915	16	4A	shelterwood	underburn, biomass	B4, D7, I2, M
4089013	000	8	Aspen	1980	1	4A		underburn	D7
4089014	000	16	Red pine	1945	13	4A	clearcut	underburn, fp red pine, biomass	I2, M
4089015	000	112	White pine	1935	18	4A	thin	underburn, biomass	D7, I2, M
4089016	000	36	Black ash	1910	6	4A		underburn	B4, D7
4089017	000	19	Hardwoods	1907	14	4A		underburn	D7
4089018	000	19	White pine	1910	18	4A		underburn	D7
4089019	000	2	Red pine	1970	11	4A		underburn	
4089020	000	3	Red pine	1970	10	4A		underburn	
4089021	000	11	Aspen	1980	3	4A		underburn	D7
4089023	000	78	Aspen	1981	2	4A		underburn	D7
4089024	000	28	Aspen	1950	8	4A	clearcut		D3, D9
4089029	000	14	Red pine	1913	16	4A	thin		D3, D9, I2
4089030	000	26	Aspen	1935	14	4A	clearcut		D3, D9
4089031	000	30	Red pine	1982	6	4A	thin	underburn	D3, D7, D9, I2
4089032	000	6	Red oak	1916	14	4A	shelterwood		D3, D9, I1
4089033	000	4	Red pine	1905	12	4A	thin		I2
4089036	000	34	Red pine	1982	6	4A	thin		I2
4089037	000	19	Red pine	1982	6	4A	thin		I2
4089038	000	18	Red pine-oak	1920	10	4A	shelterwood		I2
4089039	000	21	Red pine	1982	6	4A	thin		I2
4089041	000	35	white pine	1935	18	4A	thin		D3, D9, I2
4089042	000	2	white pine-red oak	1985	2	4A		underburn	
4089044	000	9	Red pine	1905	16	4A	thin		D3, D9, I2
4089045	000	42	Aspen	1983	3	4A		underburn	D7
4089046	000	12	Aspen	2007	1	4A		underburn	D7
4089049	000	4	Aspen	1980	1	4A		underburn	D7
4089050	000	9	Aspen	1981	3	4A		underburn	D7
4089051	000	24	Red pine	1982	7	4A	thin		D3, D9, I2
4089052	000	12	White pine-red oak	1935	12	4A	thin	underburn	I2

Stand ID	Sub	Acres	Forest type	Year of origin	Ave. DBH	MA	Proposed Harvest	Other proposed actions	*Design Features
4089053	000	7	White pine	1910	24	4A	shelterwood	underburn, biomass	I2, M
4089057	000	1	Lowland shrubs	0	0	4A		underburn	B4, D7
4089059	000	16	Lowland shrubs	0	0	4A		underburn	B4, D7
4089060	000	8	Lowland shrubs	0	0	4A		underburn	B4, D7
4089065	000	1	Lowland shrubs	0	0	4A		underburn	B4, D7
4089066	000	16	White spruce	1911	10	4A	thin	underburn, biomass	D7, I2, M
4089067	000	4	White pine	1910	14	4A	shelterwood		I2
4089118	000	0	Open	0	0	4A		underburn	
4089119	000	1	Open	0	0	4A		underburn	
4089121	000	0	Open	0	0	4A		underburn	
4089126	000	1	Open	1991	0	4A		underburn	
4090001	000	64	Red pine	1983	7	4A	thin		I2
4090002	000	27	Red pine	1920	16	4A	thin	tsi	I2
4090004	000	30	Aspen	1950	9	4A	clearcut		
4090008	000	28	Red pine	1944	14	4A	thin	tsi	I2
4090011	000	55	Red pine	1944	15	4A	thin	tsi	D3, D9, I2
4090012	000	36	Red pine	1949	14	4A	clearcut	fp red pine	I2
4090015	000	3	Red pine	1950	12	4A	thin	underplant	I2
4090024	000	51	Aspen	1936	12	4A	clearcut		D3, D9, J2
4090027	000	5	Red pine	1938	13	4A	thin		I2
4090031	000	70	Red pine	1979	8	4A	thin		I2
4090032	000	5	Red pine	1979	7	4A	thin		I2
4090035	000	13	Red pine	1940	14	4A	clearcut	fp red pine	I2
4090041	000	32	Aspen	1937	10	4A	clearcut		
4090044	000	128	Paper birch	1912	8	4A	shelterwood		D3, D9
4090046	000	20	Red pine	1935	13	4A	clearcut	fp red pine	I2
4090047	000	11	Aspen	1912	10	4A	thin		D3, D9
4090048	000	4	Red pine	1938	13	4A		underplant	
4090070	000	15	white pine	1936	12	4A	thin	tsi	I2
4090071	000	36	Red maple	1936	13	4A	shelterwood	underplant	D3, D9, J2
4091003	000	8	Mixed pines	1938	17	4A	thin		I2
4091004	000	6	Red pine	1938	12	4A	thin		H, J1, I2
4091006	000	23	Red pine	1938	12	4A	clearcut	fp red pine	H, J1, I2

Stand ID	Sub	Acres	Forest type	Year of origin	Ave. DBH	MA	Proposed Harvest	Other proposed actions	*Design Features
4091007	000	48	Red pine	1938	14	4A	clearcut	fp red pine	H, J1, J2, I2
4091010	000	16	Red pine	1938	14	4A	thin		I2
4091012	000	17	Hardwoods	1923	0	4A	shelterwood		
4091014	000	6	Red pine	1938	14	4A	thin		I2
4091016	000	14	Red pine-oak	1924	13	4A	shelterwood		H, J1, J2, I2
4091025	000	24	Hardwoods	1930	15	4A	shelterwood		D3, D9, H, J1
4091026	000	20	Red pine	1950	12	4A	thin		B5, H, J1, I2
4091027	000	14	Hardwoods	1922	11	4A	shelterwood		B5, D3, D9, H, J1
4091029	000	12	Red pine	1938	13	4A	thin		D3, D9, H, J1, I2
4091030	000	48	White pine-red oak	1939	15	4A	shelterwood	underplant	D3, D9, H, J1, I1
4091033	000	5	Red pine	1938	14	4A	thin		H, J1, I2
4091034	000	20	Aspen	1938	11	4A	clearcut		H, J1, J2
4091036	000	27	Aspen	1960	10	4A	shelterwood		H, J1, J2, I2
4091037	000	25	Red pine	1938	12	4A	thin		H, J1, J2, I2
4091044	000	37	Hardwoods	1927	10	4A	shelterwood	underplant	D3, D9, G2
4092003	000	74	Red pine	1938	12	4A	thin	tsi	B5, I2
4092008	000	13	Red pine	1938	13	4A	thin		B5, D3, D9, I2
4092014	000	61	Red oak	1925	9	4A	shelterwood		B4, B5, I1
4093002	000	9	Hardwoods	1924	12	4A	shelterwood		B4, D3, D9, J1, G2
4093003	000	15	Hardwoods	1923	14	4A	selection		B5, J1
4093004	000	17	Hardwoods	1922	14	4A	selection		B4, J1
4093005	000	31	Aspen	1925	12	4A	thin	underplant	B5, D3, D9, J1, G2
4093006	000	10	Aspen	1963	11	4A	clearcut		B5, J1
4093009	000	19	Hardwoods	1922	11	4A	shelterwood	tsi	B4, J1, J2
4093011	000	4	Hardwoods	1930	13	4A	shelterwood	tsi	B5
4093012	000	10	Hardwoods	1922	9	4A	thin	tsi	B4, D3, D9, J1, J2
4093013	000	15	Aspen	1941	9	4A	thin		B5, D3, D9, J1
4093015	000	20	Aspen	1924	13	4A	clearcut		B5, J1
4094001	000	29	Red pine	1984	6	4A	thin		D3, D9, I2
4094002	000	10	White pine	1935	18	4A	thin		B4, I2
4094004	000	29	Red pine	1984	8	4A	thin		I2
4094005	000	44	Red pine	1978	8	4A	thin		I2

Stand ID	Sub	Acres	Forest type	Year of origin	Ave. DBH	MA	Proposed Harvest	Other proposed actions	*Design Features
4094007	000	37	Red pine	1978	6	4A	thin		I2
4094009	000	50	Red pine	1991	6	4A	thin		I2
4094010	000	11	Jack pine	1978	6	4A	clearcut	fp red pine	I2
4094013	000	11	White pine-red oak	1935	10	4A	shelterwood		I2
4095002	000	65	Red pine-oak	1935	12	4A	thin	underburn, biomass	I1, I2
4095003	000	24	Jack pine	2005	0	4A		tsi	
4095007	000	47	Hardwoods	1930	12	4A	shelterwood	underplant	D3, D9, G2, J2
4095008	000	34	Jack pine	1979	6	4A	clearcut	fp red pine, biomass	J1, J2, I2
4095009	000	28	Red pine	1977	7	4A	thin		I2
4095010	000	47	Red pine	1980	8	4A	thin		I2
4095012	000	39	Red pine	1978	8	4A	thin		I2
4095013	000	28	Red pine	1979	7	4A	thin		I2
4095014	000	4	Hardwoods	1925	14	4A	shelterwood		
4095015	000	11	Red maple	1900	14	4A	shelterwood		B5, D3, D9
4095017	000	11	Aspen	1935	12	4A	thin	underplant	D3, D9, G2
4095018	000	23	Red pine	1979	7	4A	thin		I2
4095019	000	21	Aspen	1984	3	4A		underburn	
4095023	000	29	Aspen	1992	2	4A		underburn	
4095028	000	2	Aspen	1966	6	4A	clearcut		J1, J2
4095100	000	5	Open	1991	0	4A		underburn	
4095122	000	6	Open	1991	0	4A		underburn	
4096002	000	26	Red pine	1984	8	4A	thin		J1, J2, I2
4096003	000	9	Red pine	1983	6	4A	thin		J1, I2
4096006	000	86	Red maple	1966	10	4A	shelterwood		B5, J1, J2
4096009	000	118	Red maple	1950	10	4A	shelterwood	tsi	D3, D9
4096010	000	19	Aspen	1966	10	4A	shelterwood		B5, J1, J2
4096015	000	3	Aspen	1966	8	4A	clearcut		
4096029	000	5	Jack pine	1935	10	4A	special cut	underburn, biomass	J1, I2
4165011	000	23	Red pine	1938	12	4A		underplant	
4165022	000	182	Red pine	1939	12	4A		underplant	
4165024	000	7	Red pine	1955	10	4A		underplant	
4165025	000	47	Red pine	1945	11	4A		underplant	
4165026	000	14	Red pine	1980	5	4A	thin	underplant	B5, H, J1, J2, I2
4165027	000	13	Red pine	1949	11	4A	thin	underplant	B5, H, J1, J2,

Stand ID	Sub	Acres	Forest type	Year of origin	Ave. DBH	MA	Proposed Harvest	Other proposed actions	*Design Features
									I2
4165029	000	10	Red pine	1980	7	4A		underplant	
4165031	000	13	White pine-red oak	1940	14	4A	shelterwood		B5, I2
4165032	000	21	White pine-red oak	1957	8	4A		underplant	
4165050	000	6	Red pine	1980	7	4A	thin	underplant	B5, H, J1, J2, I2
4166001	000	40	Aspen	1954	11	4A	clearcut		B5, D3, D9, G3, H, J1, J2
4166003	000	41	Red pine	1941	10	4A		underplant	
4168001	000	33	White pine-red oak	1921	12	4A	shelterwood		B4, D3, D9, J1, J2, I2, B4
4168008	000	13	Hardwoods	1900	11	4A	selection		B4, J1
4168016	000	2	Red pine	1950	13	4A	thin		I2
4168023	000	44	Hardwoods	1934	12	4A	shelterwood		B5, D3, D9, G2
4182001	000	12	Hardwoods	1927	9	4A	thin	tsi	B5, D3, D9
4182003	000	36	Hardwoods	1935	10	4A	shelterwood	tsi	B5, D3, D9, G2
4182006	000	20	Aspen	1925	10	4A	clearcut		D1, D9, G2
4182012	000	13	Red pine	1951	11	4A	thin	underplant	B5, I2
4182013	000	66	Aspen	1971	8	4A	thin		B5, D1, D9
4182014	000	2	Red pine	1967	10	4A	thin		B5, I2
4182024	000	8	White pine-red oak	1940	11	4A	shelterwood		B4, B5, D3, D9, I2
4182029	000	6	Aspen	1942	10	4A	clearcut		B4, B5, D1, D9
4183002	000	8	Red pine	1950	11	4A	thin		I2
4183012	000	68	Red pine	1951	11	4A	clearcut	fp red pine	B5, D3, D9, I2

*Listed in the EIS, Section 2.3

Legend

sb =Salmon Blade

fp= Full plant

pt=Precommerical thin

Appendix A-2, Lakewood Southeast Project – Early Successional Habitat Alternative (3) Stand Chart of Proposed Actions

Stand ID	Sub	Acres	Forest type	Year of origin	Ave. DBH	MA	Proposed Harvest	Other proposed actions	*Design features
4037001	000	15	Red pine	1936	18	4B	thin		B5, D3, D9, I2
4037003	000	9	Red pine	1982	8	4B	thin		B5, D3, D9, I2
4037010	000	26	Red pine	1945	13	4B	shelterwood	sb, underplant	B5, I2
4037011	000	56	Red pine	1946	13	4B	thin		B5, I2
4037012	000	26	Pin oak	1928	10	4B	shelterwood		B5, D3, D9, G2, I1
4037016	000	6	Aspen	1946	15	4B	clearcut		B5
4037019	000	21	Red oak	1933	12	4B	shelterwood		B5, D3, D9, I1
4037021	000	24	Red pine	1948	13	4B	thin		B5, D3, D9, I2
4037022	000	2	Hardwoods	1929	15	4B	shelterwood		B5, D3, D9
4037026	000	12	Red pine	1949	13	4B	thin		B5, D3, D9, I2
4037029	000	11	Red pine	1968	8	4B	thin		I2
4037033	000	26	Hardwoods	1924	12	4B	shelterwood		
4037034	000	18	Red pine	1949	12	4B	thin		B5, I2
4037036	000	11	Red pine	1950	12	4B	thin		B5, I2
4037040	000	3	Pin oak	1927	12	4B	shelterwood		B5, D3, D9, I1
4038005	000	59	Red pine	1940	14	4B	thin		B5, I2
4038007	000	14	Aspen	1971	6	4B	thin		B5, D2, D3, D9
4038008	000	21	Red pine	1940	15	4B	thin		B5, I2
4038016	000	10	Aspen	1973	6	4B	clearcut		B5, D2, D9
4040027	000	3	Red pine	1946	14	4B	thin		B5, H, J1, J2, I2
4049001	000	4	Aspen	1973	5	4B	clearcut		B5
4049008	000	72	Red pine	1936	14	4B	thin		B5, D3, D9, I2
4049012	000	108	Red pine	1983	7	4B	thin		B5, D3, D9, H, J1, I2
4049014	000	67	Red pine	1936	13	4B	thin		B5, D3, D9, I2
4049016	000	5	Red pine	1938	13	4B	thin		B5, D3, D9, I2
4049018	000	9	Red pine	1938	12	4B	clearcut	fp red pine	B5, I2, B6
4049019	000	48	Red pine	1949	11	4B	thin		B5, D3, D9, H, J1, J2, I2
4049020	000	8	Red pine	1949	11	3C	thin		D3, D9, H, J1, I2
4050008	000	9	Red pine	1941	7	4B	thin	tsi	B5, D3, D9, H, J1, J2, I2
4050009	000	8	Red pine	1986	7	4B	thin		B5, D3, D9,H, J1, J2, I2
4050012	000	3	Red pine	1941	5	4B	thin		B5, D3, D9, H, J1,

Appendix A-2, Lakewood Southeast Project- Alternative 3 Stand Chart of Proposed Actions

Stand ID	Sub	Acres	Forest type	Year of origin	Ave. DBH	MA	Proposed Harvest	Other proposed actions	*Design features
									I2
4050018	000	7	Red pine	1980	5	4B	thin		B5, H, J1, J2, I2
4050033	000	4	Red pine	1937	14	4B	thin		B5, H, J1, I2
4051002	000	11	Pin oak	1926	14	4B	shelterwood		B5, I1
4051009	000	12	Jack pine	1973	1	4B		underplant	B5
4051013	000	7	Red pine	1939	13	4B	thin		B5, I2
4051015	000	49	Red pine	1946	13	4B	thin		B5, I2
4051016	000	23	Red pine	1946	12	4B	thin		B5, D3, D9, I2
4051019	000	14	Pin oak	1934	15	4B	shelterwood		B5, I1
4051020	000	16	Red pine	1985	8	4B	thin		B5, I2
4051023	000	4	Red pine	1941	14	4B	thin		B5, I2
4051024	000	5	Aspen	1973	5	4B	clearcut		B5
4051027	000	27	Red pine	1941	13	4B	thin		B5, I2
4051029	000	7	Pin oak	1906	14	4B	shelterwood	underplant	B5, D3, D9, I1
4051033	000	3	Aspen	1970	8	4B	clearcut		B5, D2, D9
4052007	000	37	Red pine	1966	9	4B	thin		B5, I2
4052008	000	58	Red pine	1946	13	4B	thin		B5, I2
4052010	000	52	Aspen	1983	1	4A		underburn	D7
4052011	000	147	Red oak	1920	13	4A	shelterwood	underburn, biomass	D7, H, J1, I1
4052012	000	62	Pin oak	1920	14	4A	shelterwood	underburn, biomass	D7, H, J1, J2, I1
4052014	000	13	Pin oak	1920	14	4A	shelterwood	underburn, biomass	D7, H, J1,I1
4052016	000	72	Red maple	1930	13	4A	shelterwood		H, J1, J2
4052018	000	20	Red pine	1940	13	4A	clearcut	fp red pine, underburn	H, J1, I2
4052021	000	20	Red pine	1940	13	4A	thin	underburn	B5, H, J1, J2, I2
4052022	000	51	Red oak	1934	12	4A	shelterwood	underburn, biomass	H, J1, J2, I1
4052023	000	20	Black ash	1935	6	4A		underburn	D7
4052027	000	34	Hardwoods	1930	12	4A	shelterwood		B4, H, J1, J2
4052037	000	10	Aspen	1934	10	4A	clearcut		H, J1, J2
4052038	000	24	Red maple	1922	8	4A	shelterwood		H, J1
4052109	000	0	Open	0	0	4A		underburn	B4
4052110	000	2	Open	0	0	4A		underburn	
4052116	000	0	Open	0	0	4A		underburn	
4053003	000	30	Red pine	1941	13	4B	thin		B5, J2, I2
4053012	000	17	Red pine	1950	14	4A	thin		B5, H, J1, I2

Appendix A-2, Lakewood Southeast Project- Alternative 3 Stand Chart of Proposed Actions

Stand ID	Sub	Acres	Forest type	Year of origin	Ave. DBH	MA	Proposed Harvest	Other proposed actions	*Design features
4053013	000	5	Red pine	1940	15	4A	thin		B5, H, J1, J2, I2
4053014	000	19	Aspen	1935	12	4A	clearcut		B5, H, J1, J2, I2
4053015	000	11	Aspen	1940	8	4A	clearcut		B5, H, J1, I2
4054003	000	28	Red pine	1937	12	4B	thin		B5, D3, D9, I2
4054005	000	15	Hardwoods	1922	14	4B	shelterwood	underplant	
4054009	000	12	Red oak	1920	14	4B	shelterwood	underplant	D3, D9, G2, I1
4054013	000	4	White oak	1919	12	4B	shelterwood		B4, B5, I1
4054015	000	7	Red oak	1927	10	4B	shelterwood		D3, D9, G2, I1
4054016	000	83	Red oak	1931	10	4B	shelterwood		D3, D9, G2, I1
4054017	000	18	Hardwoods	1945	14	4B	shelterwood		B5, D3, D9, G2, M
4054022	000	45	Hardwoods	1930	12	4B	shelterwood	underplant	B5, D3, D9
4054025	000	4	Red oak	1939	16	4B	shelterwood	underplant	B5, D3, D9, I1
4054026	000	9	Aspen	1939	10	4B	shelterwood		B5,I2
4055021	000	39	Red pine	1936	12	4B	shelterwood	sb, underplant	B5, D3, D7, D9, I2
4055022	000	32	Red pine	1936	12	4B	thin		B5, D3, D9, I2
4055023	000	37	Red pine	1936	12	4B	thin		B5, D3, D9, I2
4058016	000	15	Aspen	1957	12	4B	shelterwood		B5, I2
4058018	000	82	Hardwoods	1912	12	4B	shelterwood		B5, D3, D9
4058028	000	12	Aspen	1958	10	4B	shelterwood		B5, I2
4058034	000	10	Hardwoods	1938	12	4B	shelterwood	underplant	B5, D3, D9, G2
4067008	000	14	Aspen	1929	10	2C	shelterwood		B5, I2
4067009	000	24	Red pine	1926	15	2C	thin		B5, D3, D9, I2
4067036	000	23	Aspen	1930	10	2C	shelterwood		B5, I2
4067037	000	29	Hardwoods	1930	10	2C	shelterwood		B5
4068002	000	28	Aspen	1930	11	4B	shelterwood		B5, D3, D9, G2, I2
4068004	000	10	Aspen	1933	13	4B	clearcut		B5
4068007	000	16	Aspen	1930	8	4B	clearcut		B4, D3, D9
4068013	000	26	Hardwoods	1929	12	4B	shelterwood		B5, D3, D9
4068028	000	26	Aspen	1957	11	4B	shelterwood		B5, I2
4068029	000	25	Hardwoods	1931	10	4B	shelterwood		
4068036	000	63	Aspen	1927	10	4B	clearcut		B5, D3, D9
4068036	053	9	Aspen	1927	10	4B	clearcut		B5, D3, D9
4068038	000	8	Mixed pines	1941	7	4B	thin		B5, I2
4068040	000	33	Red pine	1941	13	4B	thin	underplant	B5, I2
4068044	000	20	White pine-hemlock	1941	12	4B	thin	underplant	B5, I2
4068052	000	9	Aspen	1957	10	4B	clearcut		B5

Stand ID	Sub	Acres	Forest type	Year of origin	Ave. DBH	MA	Proposed Harvest	Other proposed actions	*Design features
4068056	000	71	Hardwoods	1932	11	4B	shelterwood	underplant	B5, D3, D9
4068059	000	36	Jack pine	1941	10	4B	clearcut	fp red pine	I2
4069010	000	12	Red oak	1918	13	4B	shelterwood		I1
4069015	000	53	Aspen	1961	11	4B	clearcut		J1
4069017	000	9	Red oak	1927	14	4B	shelterwood		I1
4069018	000	21	Red oak	1927	14	4B	shelterwood		J1, J2, I1
4069020	000	7	Jack pine	1935	14	4B	clearcut	fp jack pine	J1, J2, I2
4069021	000	10	Red oak	1929	15	4B	shelterwood	underplant	I1
4069029	000	24	Aspen	1960	10	4B	clearcut		
4069032	000	8	Red pine	1938	11	4B	thin		J1, J2, I2
4069034	000	3	Aspen	1936	11	4B	clearcut		
4069035	000	5	Jack pine	1939	8	4B	clearcut	fp red pine	I2
4069037	000	8	Aspen	1927	11	4B	clearcut		
4069038	000	3	Aspen	1939	14	4B	clearcut		J1
4070001	000	6	Hardwoods	1952	10	4B	shelterwood		
4070003	000	67	Red oak	1921	14	4B	shelterwood		I1
4070005	000	14	Mixed pines	1930	14	4B	shelterwood		I2
4070007	000	3	Red pine	1938	14	4B	thin		I2
4070008	000	29	Red oak	1928	16	4B	shelterwood		I1
4070013	000	16	Hardwoods	1932	12	4B	shelterwood		
4072007	000	45	Hardwoods	1933	11	4B	shelterwood		B5
4072012	000	29	Red pine	1938	13	4B	thin		I2
4072015	000	27	Red pine	1971	8	4A	thin		B5, I2
4072020	000	19	Hardwoods	1933	10	4A	shelterwood		B5
4072024	000	4	Hardwoods	1933	11	4A	shelterwood		B5
4072027	000	28	Hardwoods	1933	12	4B	shelterwood		B5
4072028	000	7	Red pine	1938	12	4B	thin		I2
4072037	000	19	Red oak	1932	11	4B	shelterwood		I1
4072038	000	5	Red pine	1938	14	4B	thin		I2
4072048	000	18	Aspen	1953	9	4B	clearcut		
4072050	000	8	Red maple	1938	12	4B	shelterwood		
4072052	000	7	Red oak	1926	11	4B	shelterwood		I1
4072053	000	20	Aspen	1954	11	4B	clearcut		
4072055	000	7	Red pine	1954	9	4B	clearcut	fp red pine	I2
4072057	000	18	Aspen	1950	9	4B	clearcut		
4072059	000	7	Red oak	1955	11	4B	thin		B5, I1
4073006	000	32	Jack pine-oak	1941	10	4A	clearcut	fp red pine	B5, J2, I2

Appendix A-2, Lakewood Southeast Project- Alternative 3 Stand Chart of Proposed Actions

Stand ID	Sub	Acres	Forest type	Year of origin	Ave. DBH	MA	Proposed Harvest	Other proposed actions	*Design features
4073008	000	14	Red pine	1941	12	4B	thin		B5, I2
4073012	000	11	Jack pine-oak	1941	6	8G		underburn	D7
4073013	000	10	Red pine	1941	10	8G		underburn	D7
4073014	000	11	Aspen	1969	6	8G		underburn	D7
4073017	000	12	Red pine-oak	1941	12	4A	shelterwood	underburn, biomass	D7, I2
4073018	000	43	Aspen	1969	10	4A		underburn	D7
4073019	000	9	Red pine	1941	10	4A	thin	underburn, biomass	D7, I2
4073020	000	26	Red pine	1941	12	4A	thin	underburn, biomass	D7, I2
4073022	000	47	White pine-red oak	1925	10	4A	shelterwood	underburn, biomass	I2, M, N
4073023	000	20	Jack pine	1941	12	4A	special cut	underburn, biomass	I2, M, N
4073024	000	11	Jack pine-oak	1994	0	4A		underburn	
4073025	000	21	Red oak	1941	4	4B	shelterwood		B5, I1
4073026	000	30	Hardwoods	1941	8	4A		underburn	
4073030	000	7	White pine-red oak	1941	12	4A	shelterwood		B5, I2
4073031	000	9	Jack pine	1940	10	4B	clearcut	fp red pine	G3, I2
4073032	000	20	White pine-red oak	1925	8	4A	shelterwood	underburn, biomass	D7, I2, M, N
4073033	000	17	Red pine	1941	10	4A	thin		B5, J2, I2
4073034	000	4	Aspen	1941	10	4A	clearcut		B5, G3
4073035	000	1	Red pine	1941	10	4A	thin		B5, I2
4073036	000	151	Aspen	1969	8	4B		underburn	B5, D3, D7, D9
4073037	000	11	Jack pine-oak	1941	10	4B	thin		B5, I2
4073076	000	0	Lowland shrubs	0	0	4A		underburn	B4
4073077	000	1	Open	0	0	4A		underburn	D7
4073078	000	1	Open	0	0	4A		underburn	
4073080	000	3	Lowland shrubs	0	0	4A		underburn	B4, D7
4073081	000	2	Open	0	0	4A		underburn	D7
4073086	000	2	Open	0	0	4B		underburn	
4073087	000	0	Lowland shrubs	0	0	4B		underburn	B4, D7

Appendix A-2, Lakewood Southeast Project- Alternative 3 Stand Chart of Proposed Actions

Stand ID	Sub	Acres	Forest type	Year of origin	Ave. DBH	MA	Proposed Harvest	Other proposed actions	*Design features
4073088	000	1	Lowland shrubs	0	0	4B		underburn	B4
4073090	000	1	Open	0	0	4B		underburn	B4
4073093	000	2	Open	0	0	4A		underburn	D7
4073105	000	2	Open	0	0	4A		underburn	
4073108	000	9	Open	0	0	4A		underburn	B4
4073109	000	2	Open	0	0	4A		underburn	B4
4073110	000	1	Open	0	0	4A		underburn	B4
4073111	000	1	Open	0	0	4A		underburn	B4
4073112	000	1	Open	0	0	4A		underburn	
4073113	000	10	Open	0	0	4A		underburn	B4
4073114	000	2	Open	0	0	4A		underburn	
4073115	000	1	Open	0	0	4A		underburn	
4073117	000	1	Open	0	0	4A		underburn	
4073118	000	1	Open	0	0	4A		underburn	
4073119	000	1	Open	0	0	4A		underburn	B4
4073120	000	1	Open	0	0	4B		underburn	
4074001	000	14	Jack pine	1990	0	4B		underburn	
4074002	000	12	Red pine	1950	12	4B	thin		I2
4074004	000	142	Red oak	1927	14	4B	shelterwood	underplant	J1, J2, I1
4074005	000	7	Oak-aspen	1961	10	4B	thin		J1, J2, I1
4074006	000	32	Red oak	1930	12	4B	shelterwood	underplant	J1, J2, I1
4074007	000	57	Red oak	1930	12	4B	shelterwood	underplant	J1, J2, I1
4074008	000	118	Red oak	1931	12	4B	shelterwood	underplant	D3, D9, I1
4074009	000	15	Aspen	1949	12	4B	clearcut		B5
4074010	000	6	Red pine	1941	12	4B	thin	tsi	B5, I2
4074011	000	29	Hardwoods	1951	10	4B	thin	tsi	B5, D3, D9, J1, J2
4074012	000	26	Aspen	1961	12	4B	clearcut		B5
4074013	000	48	Red pine	1940	12	4B	thin	tsi	B5, J1, J2, I2
4074015	000	14	Hardwoods	1919	11	4B	shelterwood		B5, J1, J2
4074017	000	33	Red pine	1941	14	4B	shelterwood	sb, underplant	B5, J1, I2
4074021	000	7	Red pine	1945	12	4B	thin		B5, I2
4074023	000	45	Red pine	1945	12	4B	thin		J1, J2, I2
4074024	000	11	Red pine	1945	14	4B	thin		J1, I2
4074025	000	9	Red pine	1926	14	4B	thin		J1, I2
4074028	000	2	Aspen	1945	6	4B	clearcut		J1, J2
4074029	000	7	Aspen	1945	8	4B	clearcut		J1, J2

Appendix A-2, Lakewood Southeast Project- Alternative 3 Stand Chart of Proposed Actions

Stand ID	Sub	Acres	Forest type	Year of origin	Ave. DBH	MA	Proposed Harvest	Other proposed actions	*Design features
4074030	000	2	Red pine	1925	6.8	4B	thin	underburn, biomass	I2
4074031	000	2	Jack pine	1985	8	4B		underburn	
4074032	000	4	Red pine	1925	7.5	4B	thin		B5, I2
4074033	000	16	Open	0	0	4B		underburn	
4074034	000	63	Red oak	0	11	4B	shelterwood	underplant	I1
4075001	000	14	Hardwoods	1925	12	4A	shelterwood		J1, J2
4075002	000	10	Hardwoods	1920	12	4A	shelterwood		J1
4075003	000	21	Aspen	1924	8	4A	clearcut		J1
4075008	000	12	Hardwoods	1929	11	4A	shelterwood		J1
4075009	000	14	Red oak	1919	12	4A	shelterwood		J1, I1
4075011	050	31	Aspen	1924	10	4A	clearcut		D3, D9, J1
4075013	000	23	Aspen	1914	11	4A	shelterwood		J1,I2
4075015	000	14	Red pine	1945	12	4A	thin		J1, I2
4075016	050	12	Aspen	1936	12	4A	clearcut		J1, J2
4075016	052	4	Aspen	1936	12	4A	clearcut		J1, J2
4075023	000	18	Aspen	1933	8	4A	clearcut		B5, D1, D9, J1
4075025	000	3	Aspen	1930	8	4A	clearcut		D1, D9, J1, J2
4076003	000	1	Red pine	1941	13	4B	thin		I2
4076006	000	26	Red maple	1955	9	4B	thin		B5, D3, D9
4076008	000	3	Red pine	1941	13	4B	thin		I2
4076010	000	18	Hardwoods	1923	12	4B	shelterwood		B5, D3, D9
4076011	000	32	Red pine	1920	16	4B	thin		B5, D3, D9, I2
4076013	000	33	Red maple	1954	8	4B	thin		
4076014	000	36	Red pine	1940	13	4B	thin		I2
4076022	000	44	Red pine	1941	13	4B	clearcut	fp red pine	D3, D9, I2
4076027	000	28	Aspen	1910	12	4B	clearcut		
4076032	000	42	Red oak	1924	12	4B	shelterwood		B5, I1
4076033	000	12	Red pine	1936	13	4B	thin		B5, I2
4076035	000	10	Hardwoods	1926	10	4B	shelterwood		B5
4076036	000	16	Red pine	1950	12	4B	thin	tsi	B7, D3, D9, I2
4076037	000	9	Red pine	1979	6	4B	thin		B5, I2
4076040	000	12	Red pine	1941	11	4B	thin	tsi	I2
4076106	000	1	Upland shrubs	0	0	4B		underburn	
4077001	000	36	Jack pine	1940	9	4A	clearcut	fp jack pine	B5, I2
4077002	000	50	Red pine	1941	10	4A	thin	tsi	B5, J1, J2, I2
4077003	000	6	Red pine	1941	10	4A	clearcut	fp red pine	B5, J1, J2, I2

Appendix A-2, Lakewood Southeast Project- Alternative 3 Stand Chart of Proposed Actions

Stand ID	Sub	Acres	Forest type	Year of origin	Ave. DBH	MA	Proposed Harvest	Other proposed actions	*Design features
4077004	000	3	Red pine	1941	12	4A	thin	tsi	B5, I2
4077005	000	40	Hardwoods	1932	13	4A	shelterwood	tsi	B5, J1, J2
4077006	000	28	Aspen	1960	10	4A	clearcut		B5, J1, J2
4077008	000	44	Hardwoods	1933	12	4A	selection		D3, D9, M
4077009	000	95	Hardwoods	1933	11	4A	shelterwood	underplant	D3, D9, G2, J1, J2,
4077010	000	39	Hardwoods	1934	12	4A	shelterwood	underplant	D3, D9, J1
4077014	000	21	Aspen	1958	10	4A	clearcut		B5, J1, J2
4077015	000	18	Red oak	1932	14	4A	shelterwood		B5, D3, D9, I1
4077016	000	10	Hardwoods	1957	12	4A	thin	underplant	B5, J1
4077022	000	11	Red pine	1941	11	4A	clearcut	fp red pine	B5, I2
4077024	000	19	Red pine	1930	13	4A		tsi	
4077025	000	37	Jack pine	1955	10	4A	clearcut	fp jack pine	I2
4077039	000	10	Aspen	1969	6	4A	clearcut		B5
4077040	000	12	Aspen	1969	8	4A	clearcut		B5, D1, D9
4077045	000	3	Jack pine	1940	6	4A	clearcut	fp jack pine	I2
4078004	000	13	Aspen	1929	8	4A	shelterwood		B5, D3, D9, I2
4078008	000	9	White pine	1966	10	4A	thin		B5, D1, D9, I2
4078009	000	12	Red pine	1955	8	4A	thin	underplant	B5, I2
4078010	000	21	Red maple	1929	11	4A	shelterwood		D3, D9, J1, J2
4078011	000	28	Hardwoods	1932	14	4A	shelterwood		J1, J2
4078012	000	11	Hardwoods	1927	12	4A	shelterwood		D1, D9, J1, J2
4078014	000	59	Hardwoods	1956	14	4A	thin		D3, D9, J1, J2
4078015	000	85	Hardwoods	1924	13	4A	shelterwood	underplant	J1, J2
4078016	000	28	Red pine	1975	6	4A	thin		B5, I2
4078018	000	4	Hardwoods	1924	13	4A	shelterwood		J1
4078019	000	30	Hardwoods	1930	9	4A	shelterwood		B5, D3, D9
4078021	000	26	Aspen	1933	10	4A	clearcut		B5, D1, D9
4078022	000	27	Red maple	1928	14	4A	shelterwood	underplant	J1
4078023	000	4	Red pine	1955	10	4A	thin		B5, I2
4078024	000	55	White pine-red oak	1964	11	4A	thin	tsi	B5, I2
4078026	000	27	Hardwoods	1921	14	4A	selection		G2, M
4078027	000	14	Hardwoods	1921	13	4A	selection		D3, D9, G2, M
4078033	000	20	Red pine	1975	8	4A	thin	underplant	B5, I2
4078034	000	23	White pine	1965	11	4A	thin		B5, I2
4078110	000	2	Open	0	0	4A		underburn	
4079002	000	12	Red pine	1951	9	4A	thin		B5, I2
4079013	000	16	Aspen	1970	6	4A	clearcut		

Appendix A-2, Lakewood Southeast Project- Alternative 3 Stand Chart of Proposed Actions

Stand ID	Sub	Acres	Forest type	Year of origin	Ave. DBH	MA	Proposed Harvest	Other proposed actions	*Design features
4079016	000	39	Aspen	1931	11	4A	clearcut		D1, D9
4079020	000	64	Hardwoods	1933	13	4A	selection		B4
4079022	050	30	Aspen	1957	9	4A	clearcut		D1, D3, D9
4079023	000	18	Hardwoods	1932	9	4A	shelterwood	underplant	B4, B5, D1, D9, J2
4079025	000	81	Hardwoods	1932	12	4A	shelterwood	underplant	D1, D9, J2
4079027	000	10	Aspen	1957	12	4A	clearcut		
4079030	000	21	Aspen	1957	8	4A	clearcut		B5, D1, D9
4079039	000	97	Red pine	1949	11	4A	thin		I2
4079040	000	4	Red pine	1949	12	4A	thin		I2
4082005	000	16	Aspen	1939	7	4A	shelterwood		D3, D9, I2
4082006	000	112	Red pine	1942	11	4A	thin	tsi	I2
4082008	000	16	Aspen	1948	11	4A	clearcut		
4082009	000	211	Red pine	1953	11	4A	thin		D3, D9, I2
4082011	000	13	Red pine	1942	10	4A	thin	underplant	I2
4082012	000	10	White pine	1942	17	4A	thin		D3, D9, I2
4082015	000	9	Red pine	1944	10	4A	thin		B5, D3, D9, G2, I2
4082016	000	32	Aspen	1952	10	4A	thin	underplant	B5, D1, D3, D9
4082019	000	31	Red pine	1960	10	4A	thin		I2
4083001	000	19	Hardwoods	1929	12	4A	shelterwood		J1, J2
4083002	000	7	White pine	1893	18	4A	thin		B4, J1, I2
4083003	000	26	Hardwoods	1920	9	4A	shelterwood		B4, J1, J2
4083004	000	34	Aspen	1957	12	4A	clearcut		J1, J2
4083005	000	6	Hardwoods	1938	12	4A	shelterwood		D3, D9, J1, J2
4083007	000	2	Aspen	1927	13	4A	clearcut		B5
4083010	000	29	Hardwoods	1921	10	4A	shelterwood		
4083015	000	85	Aspen	1957	10	4A	shelterwood		D3, D9, I2
4083016	000	25	Hardwoods	1931	11	4A	shelterwood		
4083017	000	19	Aspen	1927	11	4A	clearcut		D1, D9
4083023	000	5	Hardwoods	1931	11	4A	shelterwood		
4083028	000	10	Aspen	1932	11	4A	shelterwood		I2
4083029	000	26	Red pine	1938	13	4A	thin		I2
4084007	000	8	Red pine	1922	10	4A	thin		B5, I2
4084018	000	5	Red pine	1960	9	4A	thin		I2
4084021	000	17	Red pine	1961	9	4A	thin		I2
4084027	000	19	Red pine	1979	7	4A	thin		I2
4084029	000	11	Red pine	1945	11	4A	thin		I2
4084114	000	2	Open	0	0	4A		underburn	

Appendix A-2, Lakewood Southeast Project- Alternative 3 Stand Chart of Proposed Actions

Stand ID	Sub	Acres	Forest type	Year of origin	Ave. DBH	MA	Proposed Harvest	Other proposed actions	*Design features
4085001	000	21	Red pine	1973	7	4B	thin	biomass	I2
4085023	000	2	White pine	1945	16	4B	thin		B5, I2
4086001	000	1	Aspen	1991	0	4A		underburn	
4086002	000	17	Lowland conifer	1881	8	4A		underburn	B4, D7
4086003	000	10	Hardwoods	1929	6	4A		underburn	B4, D7
4086004	000	54	Hardwoods	1930	14	4A	special cut	underburn, biomass	D7, J2, N
4086005	000	132	Jack pine-oak	1963	12	4A	special cut	underburn, biomass	J2, I2, M, N
4086006	000	43	Hardwoods	1930	13	4A	shelterwood	underburn, biomass	D3, D7, D9, J2, N
4086007	000	59	Aspen	1940	11	4A	special cut	underburn, biomass	N
4086008	000	28	Jack pine	1992	2	4A		underburn	
4086009	000	16	Aspen	1929	11	4A	clearcut	underburn	B5, N
4086010	000	37	Jack pine	1993	0	4A		underburn	
4086011	000	10	Aspen	1991	0	4A		underburn	
4086012	000	30	Red pine-oak	1940	12	4A	special cut	underburn, biomass	J2, I2, M, N
4086013	000	44	Jack pine-oak	1945	14	4B	clearcut	fp red and white pine, biomass	I2
4086014	000	33	Jack pine	1994	0	4B		precommercial thin	
4086015	000	34	Jack pine-oak	1945	10	4B	clearcut	fp red pine, biomass	I2
4086016	000	23	Red pine	1929	11	4B	thin	biomass	I2
4086018	000	16	Jack pine	1991	0	4B		precommercial thin	
4086019	000	39	Red pine-oak	1945	12	4A		underburn	
4086021	000	3	Red pine	1940	12	4B	thin		B5, I2
4086022	000	8	Aspen	1931	12	4A	special cut	underburn, biomass	N
4086023	000	13	Aspen	1992	0	4A		underburn	
4086024	000	13	Jack pine	1940	12	4A	special cut	underburn, biomass	J2, I2, M, N
4086025	000	23	Aspen	1929	12	4A	clearcut	underburn	B5, D3, D7, D9, J2, N
4086026	000	22	Jack pine-	1940	10	4A	special cut	underburn,	J2, I2, M, N

Appendix A-2, Lakewood Southeast Project- Alternative 3 Stand Chart of Proposed Actions

Stand ID	Sub	Acres	Forest type	Year of origin	Ave. DBH	MA	Proposed Harvest	Other proposed actions	*Design features
			oak					biomass	
4086027	000	26	Jack pine	1993	0	4A		underburn	
4086028	000	50	Jack pine-oak	1940	12	4A	special cut	underburn, biomass	J2, I2, M, N
4086029	000	20	Hardwoods	1940	12	4B	shelterwood		B5
4086030	000	9	Aspen	1928	5	4A	clearcut		
4086031	000	5	Aspen	1991	0	4A		underburn	
4086051	000	0	Open	0	0	4A		underburn	
4086052	000	1	Open	0	0	4A		underburn	
4086101	000	2	Open	0	0	4A		underburn	B4
4086102	000	2	Open	0	0	4A		underburn	
4086103	000	1	Open	0	0	4A		underburn	
4086104	000	0	Open	0	0	4A		underburn	
4086105	000	1	Open	0	0	4A		underburn	
4086106	000	1	Open	0	0	4A		underburn	
4086107	000	2	Open	0	0	4A		underburn	
4086111	000	0	Open	0	0	4A		underburn	
4086112	000	0	Open	0	0	4B		underburn	
4086116	000	1	Open	0	0	4B		underburn	
4086117	000	0	Open	0	0	4B		underburn	
4086119	000	3	Open	0	0	4A		underburn	
4087001	000	5	Aspen	1929	14	4A	clearcut		G3
4087002	000	30	Red pine-oak	1938	11	4A	thin	tsi	J2, I2
4087007	000	9	Pin Oak	1911	12	4A	shelterwood		B5, J2, I1
4087008	000	56	Aspen	1948	14	4A	clearcut	underburn	B5, J2
4087009	000	100	Red pine	1938	14	4A	thin	underburn, biomass	D3, D7, D9, I2, M
4087011	000	89	Pin Oak	1929	13	4A	shelterwood		B5, J2, I1
4087012	000	59	Red pine-oak	1940	12	4A	thin	biomass	I1, I2
4087013	000	7	Red pine-oak	1938	12	4A	thin	biomass	I1, I2
4087015	000	22	Hardwoods	1920	14	4A	shelterwood		B5, D3, D9
4087016	000	37	Red pine	1960	11	4A	thin	underburn, biomass	D3, D7, D9, I2
4087020	000	22	White pine	1900	12	8G		underburn	D7
4087021	000	27	Red pine	1987	6	4A		underburn	D7
4087022	000	6	Red maple	1947	6	8G		underburn	

Appendix A-2, Lakewood Southeast Project- Alternative 3 Stand Chart of Proposed Actions

Stand ID	Sub	Acres	Forest type	Year of origin	Ave. DBH	MA	Proposed Harvest	Other proposed actions	*Design features
4087023	000	15	Red pine	1900	14	8G		underburn	D7
4087024	000	22	Red pine-oak	1947	8	8G		underburn	
4087025	000	8	Jack pine	1937	8	8G		underburn	
4087026	000	7	Red pine	1948	8	8G		underburn	
4087027	000	21	Red pine	1900	12	8G		underburn	D7
4087028	000	52	Lowland conifer	1924	6	8G		underburn	B4, D7
4087029	000	53	White pine	1900	14	8G		underburn	D7
4087030	000	28	Aspen	1962	6	8G		underburn	D7
4087031	000	2	Red pine	1964	6	8G		underburn	
4087032	000	0	Red pine	1964	6	8G		underburn	
4087034	000	12	Red pine-oak	1930	8	8G		underburn	D7
4087035	000	46	Black ash	1920	5	8G		underburn	B4, D7
4087036	000	11	Aspen	1983	2	4A		underburn	B5, D7
4087038	000	5	Red pine	1938	11	4A	thin	underburn, biomass	I2
4087051	000	10	Red pine	1900	14	8G		underburn	
4087106	000	0	Open	1985	0	4A		underburn	
4088002	000	18	Jack pine	1936	12	4A	clearcut	fp jack pine	I2
4088003	000	31	Mixed pines	1936	11	4A	thin		I2
4088008	000	5	Aspen	1966	8	8G		underburn	D7
4088009	000	15	Aspen	1962	10	4A	clearcut	underburn	B5
4088011	000	10	Red pine	1941	12	4A	thin	underburn, biomass	J2, I2, M
4088012	000	5	Aspen	1991	0	4A		underburn	B5
4088013	000	10	White pine-red oak	1941	12	4A	thin	underburn, biomass	J2, I2, M
4088015	000	37	Red pine-oak	1941	10	8G		underburn	D7
4088016	000	11	White pine	1919	14	4A	thin	underburn, biomass	D7, J2, I2, M
4088017	000	10	Aspen	1961	10	4A	clearcut	underburn	B5, J2
4088018	000	7	Aspen	1966	10	4A	clearcut		G3
4088019	000	10	Aspen	1994	2	4A		underburn	B5
4089001	000	18	Red pine	1946	11	4A	thin	underburn, biomass	I2
4089002	000	48	Red pine	1942	14	4A	thin	underburn, biomass	D7, I2, M

Appendix A-2, Lakewood Southeast Project- Alternative 3 Stand Chart of Proposed Actions

Stand ID	Sub	Acres	Forest type	Year of origin	Ave. DBH	MA	Proposed Harvest	Other proposed actions	*Design features
4089003	000	2	White pine-red oak	1920	10	4A		underburn	
4089004	000	9	White pine	1935	20	4A	shelterwood	underburn, biomass	D7, I2, M
4089005	000	4	Aspen	1980	3	4A		underburn	D7
4089006	000	15	Red pine	1961	12	4A		underburn	B4, D7
4089007	000	3	Red pine	1948	12	4A	thin	Biomass, underburn	D7, I2, M
4089008	000	3	Lowland shrubs	0	0	4A		underburn	B4, D7
4089009	000	9	Aspen	1980	1	4A		underburn	D7
4089010	000	20	Pin oak	2007	1	4A		underburn	
4089011	000	4	White spruce	1911	12	4A	thin	underburn, biomass	D7, I2, M
4089012	000	30	White pine	1915	16	4A	thin	underburn, biomass	B4, D7, I2,M
4089013	000	8	Aspen	1980	1	4A		underburn	D7
4089014	000	16	Red pine	1945	13	4A	clearcut	underburn, fp red pine, biomass	I2, M
4089015	000	112	White pine	1935	18	4A	thin	underburn, biomass	D7, I2, M
4089016	000	36	Black ash	1910	6	4A		underburn	B4, D7
4089017	000	19	Hardwoods	1907	14	4A		underburn	D7
4089018	000	19	White pine	1910	18	4A		underburn	D7
4089019	000	2	Red pine	1970	11	4A		underburn	
4089020	000	3	Red pine	1970	10	4A		underburn	
4089021	000	11	Aspen	1980	3	4A		underburn	D7
4089023	000	78	Aspen	1981	2	4A		underburn	D7
4089024	000	28	Aspen	1950	8	4A	clearcut		D3, D9
4089029	000	14	Red pine	1913	16	4A	thin		D3, D9,I2
4089030	000	26	Aspen	1935	14	4A	clearcut		D3, D9
4089031	000	30	Red pine	1982	6	4A	thin	underburn	D3, D7, D9, I2
4089032	000	6	Red oak	1916	14	4A	shelterwood		D3, D9,I1
4089033	000	4	Red pine	1905	12	4A	thin		I2
4089036	000	34	Red pine	1982	6	4A	thin		I2
4089037	000	19	Red pine	1982	6	4A	thin		I2
4089039	000	21	Red pine	1982	6	4A	thin		I2
4089041	000	35	White pine	1935	18	4A	thin		D3, D9, I2
4089042	000	2	White pine-	1985	2	4A		underburn	

Appendix A-2, Lakewood Southeast Project- Alternative 3 Stand Chart of Proposed Actions

Stand ID	Sub	Acres	Forest type	Year of origin	Ave. DBH	MA	Proposed Harvest	Other proposed actions	*Design features
			red oak						
4089044	000	9	Red pine	1905	16	4A	thin		D3, D9, I2
4089045	000	42	Aspen	1983	3	4A		underburn	D7
4089046	000	12	Aspen	2007	1	4A		underburn	D7
4089049	000	4	Aspen	1980	1	4A		underburn	D7
4089050	000	9	Aspen	1981	3	4A		underburn	D7
4089051	000	24	Red pine	1982	7	4A	thin		D3, D7, D9, I2
4089052	000	12	White pine-red oak	1935	12	4A	thin	underburn	I2
4089053	000	7	White pine	1910	24	4A	thin	underburn, biomass	I2, M
4089057	000	1	Lowland shrubs	0	0	4A		underburn	B4, D7
4089059	000	16	Lowland shrubs	0	0	4A		underburn	B4, D7
4089060	000	8	Lowland shrubs	0	0	4A		underburn	B4, D7
4089065	000	1	Lowland shrubs	0	0	4A		underburn	B4, D7
4089066	000	16	White spruce	1911	10	4A	thin	underburn, biomass	D7, I2, M
4089067	000	4	White pine	1910	14	4A	thin		I2
4089118	000	0	Open	0	0	4A		underburn	
4089119	000	1	Open	0	0	4A		underburn	
4089121	000	0	Open	0	0	4A		underburn	
4089126	000	1	Open	1991	0	4A		underburn	
4090001	000	64	Red pine	1983	7	4A	thin		I2
4090002	000	27	Red pine	1920	16	4A	thin	tsi	I2
4090004	000	30	Aspen	1950	9	4A	clearcut		
4090008	000	28	Red pine	1944	14	4A	thin	tsi	I2
4090011	000	55	Red pine	1944	15	4A	thin	tsi	D3, D9, I2
4090012	000	36	Red pine	1949	14	4A	clearcut	fp red pine	I2
4090015	000	3	Red pine	1950	12	4A	thin	underplant	I2
4090024	000	51	Aspen	1936	12	4A	clearcut		D3, D9, J2
4090027	000	5	Red pine	1938	13	4A	thin		I2
4090031	000	70	Red pine	1979	8	4A	thin		I2
4090032	000	5	Red pine	1979	7	4A	thin		I2
4090035	000	13	Red pine	1940	14	4A	clearcut	fp red pine	I2
4090041	000	32	Aspen	1937	10	4A	clearcut		

Appendix A-2, Lakewood Southeast Project- Alternative 3 Stand Chart of Proposed Actions

Stand ID	Sub	Acres	Forest type	Year of origin	Ave. DBH	MA	Proposed Harvest	Other proposed actions	*Design features
4090044	000	128	Paper birch	1912	8	4A	shelterwood		D3, D9
4090046	000	20	Red pine	1935	13	4A	clearcut	fp red pine	I2
4090048	000	4	Red pine	1938	13	4A	clearcut	fp red pine	I2
4090070	000	15	White pine	1936	12	4A	thin	tsi	I2
4090071	000	36	Red maple	1936	13	4A	shelterwood	underplant	D3, D9, J2
4091003	000	8	Mixed pines	1938	17	4A	thin		I2
4091004	000	6	Red pine	1938	12	4A	thin		H, J1, J2, I2
4091006	000	23	Red pine	1938	12	4A	clearcut	fp red pine	H, J1, I2
4091007	000	48	Red pine	1938	14	4A	clearcut	fp red pine	H, J1, J2, I2
4091010	000	16	Red pine	1938	14	4A	thin		I2
4091012	000	17	Hardwoods	1923	0	4A	shelterwood		
4091014	000	6	Red pine	1938	14	4A	thin		I2
4091025	000	24	Hardwoods	1930	15	4A	shelterwood		D3, D9, H, J1
4091026	000	20	Red pine	1950	12	4A	thin		B5, H, J1, I2
4091027	000	14	Hardwoods	1922	11	4A	shelterwood		B5, D3, D9, H, J1
4091029	000	12	Red pine	1938	13	4A	clearcut	fp red pine	D3, D9, H, J1, I2
4091030	000	48	White pine-red oak	1939	15	4A	shelterwood	underplant	D3, D9, H, J1, I1
4091033	000	5	Red pine	1938	14	4A	thin		H, J1, I2
4091034	000	20	Aspen	1938	11	4A	clearcut		H, J1, J2
4091036	000	27	Aspen	1960	10	4A	shelterwood		H, J1, J2, I2
4091037	000	25	Red pine	1938	12	4A	thin		H, J1, J2, I2
4091044	000	37	Hardwoods	1927	10	4A	shelterwood	underplant	D3, D9, G2
4092003	000	74	Red pine	1938	12	4A	thin	tsi	B5, G2, I2
4092008	000	13	Red pine	1938	13	4A	thin		B5, D3, D9, I2
4092014	000	61	Red oak	1925	9	4A	shelterwood		B4, B5, I1
4093002	000	9	Hardwoods	1924	12	4A	shelterwood		B4, D3,D9, G2, J1
4093003	000	15	Hardwoods	1923	14	4A	selection		B5, J1
4093004	000	17	Hardwoods	1922	14	4A	selection		B4, J1
4093005	000	31	Aspen	1925	12	4A	thin	underplant	B5, D3, D9, G2, J1, J2
4093006	000	10	Aspen	1963	11	4A	clearcut		B5, J1
4093009	000	19	Hardwoods	1922	11	4A	shelterwood	tsi	B4, J1, J2
4093011	000	4	Hardwoods	1930	13	4A	shelterwood	tsi	B5
4093012	000	10	Hardwoods	1922	9	4A	thin	tsi	B4, D3, D9, J1, J2
4093013	000	15	Aspen	1941	9	4A	thin		B5, D3, D9, G2, J1
4093015	000	20	Aspen	1924	13	4A	clearcut		B5, G2, J1
4094001	000	29	Red pine	1984	6	4A	thin		D3, D9, I2

Appendix A-2, Lakewood Southeast Project- Alternative 3 Stand Chart of Proposed Actions

Stand ID	Sub	Acres	Forest type	Year of origin	Ave. DBH	MA	Proposed Harvest	Other proposed actions	*Design features
4094002	000	10	White pine	1935	18	4A	thin		B4, I2
4094004	000	29	Red pine	1984	8	4A	thin		I2
4094005	000	44	Red pine	1978	8	4A	thin		I2
4094007	000	37	Red pine	1978	6	4A	clearcut	underburn, biomass	D3, D7, D9, I2, M
4094009	000	50	Red pine	1991	6	4A	clearcut	underburn, biomass	I2, M
4094013	000	11	White pine-red oak	1935	10	4A	shelterwood		I2
4094020	000	35	Jack pine	1986	2	4A	clearcut	underburn, biomass	I2, M
4094050	000	0	Open	1991	0	4A		underburn	
4094051	000	1	Open	1991	0	4A		underburn	
4094100	000	53	Open	1985	0	4A		underburn	
4094101	000	30	Open	1991	0	4A		underburn	
4095002	000	65	Red pine-oak	1935	12	4A	thin	underburn, biomass	I1, I2, M
4095003	000	24	Jack pine	2005	0	4A		tsi	
4095007	000	47	Hardwoods	1930	12	4A	shelterwood	underplant	D3, D9, G2, J2
4095009	000	28	Red pine	1977	7	4A	thin		I2
4095010	000	47	Red pine	1980	8	4A	thin		I2
4095012	000	39	Red pine	1978	8	4A	thin		I2
4095013	000	28	Red pine	1979	7	4A	thin		I2
4095014	000	4	Hardwoods	1925	14	4A	shelterwood		
4095015	000	11	Red maple	1900	14	4A	shelterwood		B5, D3, D9
4095017	000	11	Aspen	1935	12	4A	thin	underplant	D3, D9, G2
4095018	000	23	Red pine	1979	7	4A	thin		I2
4095019	000	21	Aspen	1984	3	4A		underburn	
4095023	000	29	Aspen	1992	2	4A		underburn	
4095028	000	2	Aspen	1966	6	4A	clearcut		J1, J2
4095100	000	5	Open	1991	0	4A		underburn	
4095122	000	6	Open	1991	0	4A		underburn	
4096002	000	26	Red pine	1984	8	4A	thin		J1, J2, I2
4096003	000	9	Red pine	1983	6	4A	thin		J1, I2
4096006	000	86	Red maple	1966	10	4A	shelterwood		B5, J1, J2
4096009	000	118	Red maple	1950	10	4A	shelterwood	tsi	D3, D9
4096010	000	19	Aspen	1966	10	4A	clearcut		B5, J1, J2
4096015	000	3	Aspen	1966	8	4A	clearcut		
4096029	000	5	Jack pine	1935	10	4A	special cut	underburn,	J1, I2

Appendix A-2, Lakewood Southeast Project- Alternative 3 Stand Chart of Proposed Actions

Stand ID	Sub	Acres	Forest type	Year of origin	Ave. DBH	MA	Proposed Harvest	Other proposed actions	*Design features
								biomass	
4165011	000	23	Red pine	1938	12	4A		underplant	
4165022	000	182	Red pine	1939	12	4A		underplant	
4165024	000	7	Red pine	1955	10	4A		underplant	
4165025	000	47	Red pine	1945	11	4A		underplant	
4165026	000	14	Red pine	1980	5	4A	thin	underplant	B5, H, J1, J2, I2
4165027	000	13	Red pine	1949	11	4A	thin	underplant	B5, H, J1, J2, I2
4165029	000	10	Red pine	1980	7	4A		underplant	
4165031	000	13	White pine-red oak	1940	14	4A	shelterwood		B5, I2
4165032	000	21	White pine-red oak	1957	8	4A		underplant	
4165050	000	6	Red pine	1980	7	4A	thin	underplant	B5, H, J1, J2, I2
4166001	000	40	Aspen	1954	11	4A	clearcut		B5, D3, D9, G3, H, J1, J2
4166003	000	41	Red pine	1941	10	4A		underplant	
4168008	000	13	Hardwoods	1900	11	4A	selection		B4, J1
4168016	000	2	Red pine	1950	13	4A	thin		I2
4168023	000	44	Hardwoods	1934	12	4A	shelterwood		B5, D3, D9, G2
4182001	000	12	Hardwoods	1927	9	4A	thin	tsi	B5, D3, D9
4182003	000	36	Hardwoods	1935	10	4A	shelterwood	tsi	B5, D3, D9, G2
4182006	000	20	Aspen	1925	10	4A	clearcut		D1, D6, D9, G2
4182012	000	13	Red pine	1951	11	4A	thin	underplant	B5, I2
4182013	000	66	Aspen	1971	8	4A	clearcut		B5, D1, D6, D9
4182014	000	2	Red pine	1967	10	4A	thin		B5, I2
4182024	000	8	White pine-red oak	1940	11	4A	shelterwood		B4, B5, D3, D9, I2
4182029	000	6	Aspen	1942	10	4A	clearcut		B4, B5, D1, D6, D9
4183002	000	8	Red pine	1950	11	4A	thin		I2
4183012	000	68	Red pine	1951	11	4A	clearcut	fp red pine	B5, D3, D9, I2

*Listed in the EIS, Section 2.3

Legend

Sb=salmon blade
Fp = full plant
Pt =precommercial thin

Appendix A-3, Lakewood Southeast Project-Late Successional Habitat Alternative (4) Stand Chart of Proposed Actions

Stand ID	Sub	Acres	Forest type	Year of origin	Ave. DBH	MA	Proposed harvest	Other proposed actions	*Design features
4037001	000	15	Red pine	1936	18	4B	thin		D3, D9, I2
4037003	000	9	Red pine	1982	8	4B	thin		D3, D9, I2
4037010	000	26	Red pine	1945	13	4B	shelterwood	sb, underplant	I2
4037011	000	56	Red pine	1946	13	4B	thin		I2
4037019	000	21	red oak	1933	12	4B	shelterwood		D3, D9, I1
4037021	000	24	Red pine	1948	13	4B	thin		D3, D9, 12
4037026	000	12	Red pine	1949	13	4B	thin		D3, D9, I2
4037029	000	11	Red pine	1968	8	4B	thin		I2
4037034	000	18	Red pine	1949	12	4B	thin		I2
4037036	000	11	Red pine	1950	12	4B	thin		I2
4038005	000	59	Red pine	1940	14	4B	thin		I2
4038007	000	14	Aspen	1971	6	4B	thin		D2, D3, D9
4038008	000	21	Red pine	1940	15	4B	thin		I2
4038016	000	10	Aspen	1973	6	4B	thin		D2, D9
4040027	000	3	Red pine	1946	14	4B	thin		H, J1, J2, I2
4049001	000	4	Aspen	1973	5	4B	thin		
4049008	000	72	Red pine	1936	14	4B	thin		D3, D9, I2
4049012	000	108	Red pine	1983	7	4B	thin		D3, D9, H, J1, I2
4049014	000	67	Red pine	1936	13	4B	thin		D3, D9, I2
4049016	000	5	Red pine	1938	13	4B	thin		D3, D9, I2
4049019	000	48	Red pine	1949	11	4B	thin		D3, D9, H, J1, J2, I2
4049020	000	8	Red pine	1949	11	3C	thin		D3, D9, H, J1, I2
4050008	000	9	Red pine	1941	7	4B	thin	tsi	D3, D9, H, J1, J2, I2
4050009	000	8	Red pine	1986	7	4B	thin		D3, D9, H, J1, J2, I2
4050012	000	3	Red pine	1941	5	4B	thin		D3, D9, H, J1, I2
4050018	000	7	Red pine	1980	5	4B	thin		H, J1, J2, I2
4050033	000	4	Red pine	1937	14	4B	thin		H, J1, I2
4051009	000	12	Jack pine	1973	1	4B		underplant	
4051013	000	7	Red pine	1939	13	4B	thin		I2
4051015	000	49	Red pine	1946	13	4B	thin		I2

Stand ID	Sub	Acres	Forest type	Year of origin	Ave. DBH	MA	Proposed harvest	Other proposed actions	*Design features
4051016	000	23	Red pine	1946	12	4B	thin		D3, D9, I2
4051019	000	14	pin oak	1934	15	4B	shelterwood		I1
4051020	000	16	Red pine	1985	8	4B	thin		I2
4051023	000	4	Red pine	1941	14	4B	thin		I2
4051024	000	5	Aspen	1973	5	4B	thin	underplant	
4051027	000	27	Red pine	1941	13	4B	thin		I2
4051033	000	3	Aspen	1970	8	4B	thin		D2, D9
4052007	000	37	Red pine	1966	9	4B	thin		I2
4052008	000	58	Red pine	1946	13	4B	thin		H, J1, I2
4052010	000	52	Aspen	1983	1	4A		underburn	D7
4052011	000	147	red oak	1920	13	4A		underburn	D7
4052012	000	62	pin oak	1920	14	4A		underburn	D7
4052014	000	13	pin oak	1920	14	4A		underburn	D7
4052018	000	20	Red pine	1940	13	4A	thin	underburn	H, J1, I2
4052021	000	20	Red pine	1940	13	4A	thin	underburn	H, J1, J2, I2
4052022	000	51	red oak	1934	12	4A	shelterwood	underburn	H, J1, J2, I1
4052023	000	20	Black ash	1935	6	4A		underburn	D7
4052109	000	0	Open	0	0	4A		underburn	B4
4052110	000	2	Open	0	0	4A		underburn	
4052116	000	0	Open	0	0	4A		underburn	
4053003	000	30	Red pine	1941	13	4B	thin		J2, I2
4053013	000	5	Red pine	1940	15	4A	thin		H, J1, J2, I2
4053014	000	19	Aspen	1935	12	4A	shelterwood		H, J1, J2, I2
4053015	000	11	Aspen	1940	8	4A	shelterwood		H, J1, I2
4054003	000	28	Red pine	1937	12	4B	thin		D3,D9, I2
4054017	000	18	Hardwoods	1945	14	4B	shelterwood		D3,D9, G2, M
4054025	000	4	red oak	1939	16	4B	shelterwood	underplant	D3, D9, I1
4054026	000	9	Aspen	1939	10	4B	shelterwood		I2
4055021	000	39	Red pine	1936	12	4B	shelterwood	sb, underplant	D3, D7, D9, I2
4055022	000	32	Red pine	1936	12	4B	thin		D3, D9, I2
4055023	000	37	Red pine	1936	12	4B	thin		D3, D9, I2
4058016	000	15	Aspen	1957	12	4B	shelterwood		I2
4058028	000	12	Aspen	1958	10	4B	shelterwood		I2
4058034	000	10	Hardwoods	1938	12	4B	shelterwood	underplant	D3, D9, G2
4067008	000	14	Aspen	1929	10	2C	shelterwood		I2
4067009	000	24	Red pine	1926	15	2C	thin		D3, D9, I2
4067036	000	23	Aspen	1930	10	2C	shelterwood		I2

Stand ID	Sub	Acres	Forest type	Year of origin	Ave. DBH	MA	Proposed harvest	Other proposed actions	*Design features
4068002	000	28	Aspen	1930	11	4B	shelterwood		D3, D9, G2, I2
4068017	000	11	Aspen	1972	6	4B	thin		D3,D9
4068028	000	26	Aspen	1957	11	4B	shelterwood		I2
4068038	000	8	Mixed pines	1941	7	4B	thin		I2
4069004	000	14	Aspen	1955	10	4B	thin	underplant	J1, J2
4069004	051	13	Aspen	1955	10	4B	thin	underplant	B4, D2, D3, D9, J1, J2
4069029	000	33	Aspen	1960	10	4B	thin	underplant	
4069029	050	34	Aspen	1960	10	4B	thin	underplant	D2, D3, D9
4069029	051	9	Aspen	1960	10	4B	thin	underplant	D2, D3, D9
4069032	000	8	Red pine	1938	11	4B	thin		J1, J2, I2
4069035	000	5	Jack pine	1939	8	4B	clearcut	fp red pine	I2
4070007	000	3	Red pine	1938	14	4B	thin		I2
4070013	000	16	Hardwoods	1932	12	4B	shelterwood		
4072007	000	45	Hardwoods	1933	11	4B	shelterwood		
4072012	000	29	Red pine	1938	13	4B	thin		I2
4072015	000	27	Red pine	1971	8	4A	thin		I2
4072020	000	19	Hardwoods	1933	10	4A	shelterwood		
4072024	000	4	Hardwoods	1933	11	4A	shelterwood		
4072026	000	9	Aspen	1961	11	4B	thin	underplant	
4072027	000	28	Hardwoods	1933	12	4B	shelterwood		
4072028	000	7	Red pine	1938	12	4B	thin		I2
4072037	000	19	red oak	1932	11	4B	shelterwood		I1
4072038	000	5	Red pine	1938	14	4B	thin		I2
4072048	000	18	Aspen	1953	9	4B	thin	underplant	
4072050	000	8	Red maple	1938	12	4B	shelterwood		
4072053	000	20	Aspen	1954	11	4B	thin	underplant	
4072059	000	7	red oak	1955	11	4B	thin		I1
4073006	000	32	Jack pine-oak	1941	10	4A	shelterwood		J2, I2
4073008	000	14	Red pine	1941	12	4B	thin		I2
4073012	000	11	Jack pine-oak	1941	6	8G		underburn	D7
4073013	000	10	Red pine	1941	10	8G		underburn	D7
4073014	000	11	Aspen	1969	6	8G		underburn	D7
4073017	000	12	Red pine-oak	1941	12	4A	shelterwood		I2

Stand ID	Sub	Acres	Forest type	Year of origin	Ave. DBH	MA	Proposed harvest	Other proposed actions	*Design features
4073019	000	9	Red pine	1941	10	4A	thin		I2
4073020	000	26	Red pine	1941	12	4A	thin		I2
4073023	000	20	Jack pine	1941	12	4A	special cut	underburn	I2, M, N
4073024	000	11	Jack pine-oak	1994	0	4A		underburn	
4073025	000	21	red oak	1941	4	4B	shelterwood		I1
4073030	000	7	white pine-red oak	1941	12	4A	shelterwood		I2
4073031	000	9	Jack pine	1940	10	4B	clearcut	fp red pine	G3, I2
4073033	000	17	Red pine	1941	10	4A	thin		J2, I2
4073035	000	1	Red pine	1941	10	4A	thin		I2
4073037	000	11	Jack pine-oak	1941	10	4B	thin		I2
4073114	000	2	Open	0	0	4A		underburn	
4073115	000	1	Open	0	0	4A		underburn	
4073117	000	1	Open	0	0	4A		underburn	
4073118	000	1	Open	0	0	4A		underburn	
4074001	000	14	Jack pine	1990	0	4B		underburn	
4074002	000	12	Red pine	1950	12	4B	thin		I2
4074017	000	33	Red pine	1941	14	4B	shelterwood	sb, underplant	J1, I2
4074021	000	7	Red pine	1945	12	4B	thin		I2
4074023	000	45	Red pine	1945	12	4B	thin		J1, J2, I2
4074024	000	11	Red pine	1945	14	4B	thin		J1, I2
4074025	000	9	Red pine	1926	14	4B	thin		J1, I2
4074030	000	2	Red pine	1925	6.8	4B	thin	underburn	I2
4074031	000	2	Jack pine	1985	8	4B		underburn	
4074032	000	4	Red pine	1925	7.5	4B	thin		I2
4074033	000	16	Open	0	0	4B		underburn	
4075013	000	23	Aspen	1914	11	4A	shelterwood		J1, I2
4075015	000	14	Red pine	1945	12	4A	thin		J1, I2
4076003	000	1	Red pine	1941	13	4B	thin		I2
4076006	000	26	Red maple	1955	9	4B	thin		D3, D9
4076008	000	3	Red pine	1941	13	4B	thin		I2
4076011	000	32	Red pine	1920	16	4B	thin		D3, D9, I2
4076013	000	33	Red maple	1954	8	4B	thin		
4076014	000	36	Red pine	1940	13	4B	thin		I2
4076022	000	44	Red pine	1941	13	4B	thin		D3, D9, I2

Stand ID	Sub	Acres	Forest type	Year of origin	Ave. DBH	MA	Proposed harvest	Other proposed actions	*Design features
4076036	000	16	Red pine	1950	12	4B	thin	tsi	D3, D9, I2
4076037	000	9	Red pine	1979	6	4B	thin		I2
4076040	000	12	Red pine	1941	11	4B	thin	tsi	I2
4076106	000	1	Upland shrubs	0	0	4B		underburn	
4077003	000	6	Red pine	1941	10	4A	clearcut	fp red pine	J1, J2, I2
4077024	000	19	Red pine	1930	13	4A		tsi	
4077025	000	37	Jack pine	1955	10	4A	clearcut	fp jack pine	I2
4077039	000	10	Aspen	1969	6	4A	clearcut		
4077040	000	12	Aspen	1969	8	4A	clearcut		D1, D9
4077045	000	3	Jack pine	1940	6	4A	clearcut	fp jack pine	I2
4078004	000	13	Aspen	1929	8	4A	shelterwood		D3, D9, I2
4078008	000	9	white pine	1966	10	4A	thin		D1, D9, I2
4078009	000	12	Red pine	1955	8	4A	thin	underplant	I2
4078011	000	28	Hardwoods	1932	14	4A	shelterwood		J1, J2
4078014	000	59	Hardwoods	1956	14	4A	thin		D3, D9, J1, J2
4078016	000	28	Red pine	1975	6	4A	thin		I2
4078023	000	4	Red pine	1955	10	4A	thin		I2
4078033	000	20	Red pine	1975	8	4A	thin	underplant	I2
4078034	000	23	white pine	1965	11	4A	thin		I2
4078110	000	2	Open	0	0	4A		underburn	
4079002	000	12	Red pine	1951	9	4A	thin		I2
4079020	000	64	Hardwoods	1933	13	4A	selection		B4
4079022	000	30	Aspen	1957	9	4A	thin		D1, D3, D9
4079023	000	18	Hardwoods	1932	9	4A	shelterwood	underplant	B4, D1, D9, J2
4079025	000	81	Hardwoods	1932	12	4A	shelterwood	underplant	D1, D9, J2
4079039	000	97	Red pine	1949	11	4A	thin		I2
4079040	000	4	Red pine	1949	12	4A	thin		I2
4082005	000	16	Aspen	1939	7	4A	shelterwood		D3, D9, I2
4082006	000	112	Red pine	1942	11	4A	thin	tsi	I2
4082009	000	211	Red pine	1953	11	4A	thin		D3, D9, I2
4082011	000	13	Red pine	1942	10	4A	thin	underplant	I2
4082012	000	10	white pine	1942	17	4A	thin		D3, D9, I2
4082015	000	9	Red pine	1944	10	4A	thin		D3, D9, G2, I2
4082016	000	32	Aspen	1952	10	4A	thin	underplant	D1, D3, D9
4082019	000	31	Red pine	1960	10	4A	thin		I2
4083004	000	34	Aspen	1957	12	4A	thin		J1, J2

Stand ID	Sub	Acres	Forest type	Year of origin	Ave. DBH	MA	Proposed harvest	Other proposed actions	*Design features
4083004	051	4	Aspen	1957	12	4A	thin		D1, D3, D9, J1, J2
4083004	051	5	Aspen	1957	12	4A	thin		D1, D9, J1, J2
4083005	000	6	Hardwoods	1938	12	4A	shelterwood		D3, D9
4083015	000	85	Aspen	1957	10	4A	shelterwood		D3, D9, I2
4083028	000	10	Aspen	1932	11	4A	shelterwood		I2
4083029	000	26	Red pine	1938	13	4A	thin		I2
4084007	000	8	Red pine	1922	10	4A	thin		I2
4084018	000	5	Red pine	1960	9	4A	thin		I2
4084021	000	17	Red pine	1961	9	4A	thin		I2
4084027	000	19	Red pine	1979	7	4A	thin		I2
4084029	000	11	Red pine	1945	11	4A	thin		I2
4084114	000	2	Open	0	0	4A		underburn	
4085001	000	21	Red pine	1973	7	4B	thin		I2
4085023	000	2	white pine	1945	16	4B	thin		I2
4086005	000	132	Jack pine-oak	1963	12	4A	special cut	underburn	J2, I2, M, N
4086006	000	43	Hardwoods	1930	13	4A		underburn	D7
4086009	000	16	Aspen	1929	11	4A		underburn	
4086010	000	37	Jack pine	1993	0	4A		underburn	
4086011	000	10	Aspen	1991	0	4A		underburn	
4086012	000	30	Red pine-oak	1940	12	4A	special cut	underburn	J2, I2, M, N
4086013	000	44	Jack pine-oak	1945	14	4B	clearcut	fp red and white pine	I2
4086014	000	33	Jack pine	1994	0	4B		precommercial thin	
4086015	000	34	Jack pine-oak	1945	10	4B	clearcut	fp red pine	I2
4086016	000	23	Red pine	1929	11	4B	thin		I2
4086018	000	16	Jack pine	1991	0	4B		precommercial thin	
4086019	000	39	Red pine-oak	1945	12	4A		underburn	
4086021	000	3	Red pine	1940	12	4B	thin		I2
4086022	000	8	Aspen	1931	12	4A		underburn	
4086023	000	13	Aspen	1992	0	4A		underburn	
4086024	000	13	Jack pine	1940	12	4A	special cut	underburn	J2, I2, M, N
4086025	000	23	Aspen	1929	12	4A		underburn	D7

Stand ID	Sub	Acres	Forest type	Year of origin	Ave. DBH	MA	Proposed harvest	Other proposed actions	*Design features
4086026	000	22	Jack pine-oak	1940	10	4A	special cut	underburn	J2, I2, M, N
4086027	000	26	Jack pine	1993	0	4A		underburn	
4086028	000	50	Jack pine-oak	1940	12	4A	special cut	underburn	J2, I2, M, N
4086029	000	20	Hardwoods	1940	12	4B	shelterwood		
4086031	000	5	Aspen	1991	0	4A		underburn	
4086052	000	1	Open	0	0	4A		underburn	
4086106	000	1	Open	0	0	4A		underburn	
4086107	000	2	Open	0	0	4A		underburn	
4086119	000	3	Open	0	0	4A		underburn	
4087002	000	30	Red pine-oak	1938	11	4A	thin	tsi	J2, I2
4087008	000	56	Aspen	1948	14	4A		underburn	
4087009	000	100	Red pine	1938	14	4A	thin	underburn	D3, D7, D9, I2, M
4087012	000	59	Red pine-oak	1940	12	4A	thin		I1, I2
4087013	000	7	Red pine-oak	1938	12	4A	thin		I1, I2
4087016	000	37	Red pine	1960	11	4A	thin	underburn	D3, D7, D9, I2
4087020	000	22	white pine	1900	12	8G		underburn	D7
4087021	000	27	Red pine	1987	6	4A		underburn	D7
4087022	000	6	Red maple	1947	6	8G		underburn	
4087023	000	15	Red pine	1900	14	8G		underburn	D7
4087024	000	22	Red pine-oak	1947	8	8G		underburn	
4087025	000	8	Jack pine	1937	8	8G		underburn	
4087026	000	7	Red pine	1948	8	8G		underburn	
4087027	000	21	Red pine	1900	12	8G		underburn	D7
4087028	000	52	Lowland conifer	1924	6	8G		underburn	B4, D7
4087029	000	53	white pine	1900	14	8G		underburn	D7
4087030	000	28	Aspen	1962	6	8G		underburn	D7
4087031	000	2	Red pine	1964	6	8G		underburn	
4087032	000	0	Red pine	1964	6	8G		underburn	
4087034	000	12	Red pine-oak	1930	8	8G		underburn	D7
4087035	000	46	Black ash	1920	5	8G		underburn	B4, D7
4087036	000	11	Aspen	1983	2	4A		underburn	D7

Stand ID	Sub	Acres	Forest type	Year of origin	Ave. DBH	MA	Proposed harvest	Other proposed actions	*Design features
4087038	000	5	Red pine	1938	11	4A	thin	underburn	I2
4087051	000	10	Red pine	1900	14	8G		underburn	
4087106	000	0	Open	1985	0	4A		underburn	
4088002	000	18	Jack pine	1936	12	4A	clearcut	fp jack pine	I2
4088003	000	31	Mixed pines	1936	11	4A	thin		I2
4088008	000	5	Aspen	1966	8	8G		underburn	D7
4088009	000	15	Aspen	1962	10	4A	thin	underburn	
4088011	000	10	Red pine	1941	12	4A	thin	underburn	J2, I2, M
4088012	000	5	Aspen	1991	0	4A		underburn	
4088013	000	10	white pine-red oak	1941	12	4A	thin	underburn	J2, I2, M
4088015	000	37	Red pine-oak	1941	10	8G		underburn	D7
4088016	000	11	white pine	1919	14	4A	thin	underburn	D7, J2, I2, M
4088017	000	10	Aspen	1961	10	4A	thin	underburn	I2
4088018	000	7	Aspen	1966	10	4A	clearcut		G3
4088019	000	10	Aspen	1994	2	4A		underburn	
4089001	000	18	Red pine	1946	11	4A	thin	underburn	I2
4089002	000	48	Red pine	1942	14	4A	thin	underburn	D7, I2, M
4089003	000	2	white pine-red oak	1920	10	4A		underburn	
4089004	000	9	white pine	1935	20	4A	shelterwood	underburn	D7, I2, M
4089005	000	4	Aspen	1980	3	4A		underburn	D7
4089006	000	15	Red pine	1961	12	4A		underburn	B4, D7
4089007	000	3	Red pine	1948	12	4A	thin	underburn	D7, I2, M
4089008	000	3	Lowland shrubs	0	0	4A		underburn	B4, D7
4089009	000	9	Aspen	1980	1	4A		underburn	D7
4089010	000	20	pin oak	2007	1	4A		underburn	
4089011	000	4	White spruce	1911	12	4A	thin	underburn	D7, I2, M
4089012	000	30	white pine	1915	16	4A	thin	underburn	B4, D7, I2, M
4089013	000	8	Aspen	1980	1	4A		underburn	D7
4089014	000	16	Red pine	1945	13	4A	clearcut	fp red pine, underburn	I2, M
4089015	000	112	white pine	1935	18	4A	thin	underburn	D7, I2, M
4089016	000	36	Black ash	1910	6	4A		underburn	B4, D7
4089017	000	19	Hardwoods	1907	14	4A		underburn	D7

Stand ID	Sub	Acres	Forest type	Year of origin	Ave. DBH	MA	Proposed harvest	Other proposed actions	*Design features
4089018	000	19	white pine	1910	18	4A		underburn	D7
4089019	000	2	Red pine	1970	11	4A		underburn	
4089020	000	3	Red pine	1970	10	4A		underburn	
4089021	000	11	Aspen	1980	3	4A		underburn	D7
4089023	000	78	Aspen	1981	2	4A		underburn	D7
4089029	000	14	Red pine	1913	16	4A	thin		D3, D9, I2
4089031	000	30	Red pine	1982	6	4A	thin	underburn	D3, D7, D9, I2
4089036	000	34	Red pine	1982	6	4A	thin		I2
4089037	000	19	Red pine	1982	6	4A	thin		I2
4089039	000	21	Red pine	1982	6	4A	thin		I2
4089041	000	35	white pine	1935	18	4A	thin		D3, D9, I2
4089042	000	2	white pine-red oak	1985	2	4A		underburn	
4089045	000	42	Aspen	1983	3	4A		underburn	D7
4089046	000	12	Aspen	2007	1	4A		underburn	D7
4089049	000	4	Aspen	1980	1	4A		underburn	D7
4089050	000	9	Aspen	1981	3	4A		underburn	D7
4089051	000	24	Red pine	1982	7	4A	thin		D3, D9, I2
4089052	000	12	white pine-red oak	1935	12	4A	thin	underburn	I2
4089053	000	7	white pine	1910	24	4A		underburn	
4089057	000	1	Lowland shrubs	0	0	4A		underburn	B4, D7
4089059	000	16	Lowland shrubs	0	0	4A		underburn	B4, D7
4089060	000	8	Lowland shrubs	0	0	4A		underburn	B4, D7
4089065	000	1	Lowland shrubs	0	0	4A		underburn	B4, D7
4089066	000	16	White spruce	1911	10	4A	thin	underburn	D7, I2, M
4089118	000	0	Open	0	0	4A		underburn	
4089119	000	1	Open	0	0	4A		underburn	
4089121	000	0	Open	0	0	4A		underburn	
4089126	000	1	Open	1991	0	4A		underburn	
4090001	000	64	Red pine	1983	7	4A	thin		I2
4090002	000	27	Red pine	1920	16	4A	thin	tsi	I2
4090008	000	28	Red pine	1944	14	4A	thin	tsi	I2
4090012	000	36	Red pine	1949	14	4A	clearcut	fp red pine	I2

Stand ID	Sub	Acres	Forest type	Year of origin	Ave. DBH	MA	Proposed harvest	Other proposed actions	*Design features
4090015	000	3	Red pine	1950	12	4A	thin	underplant	I2
4090027	000	5	Red pine	1938	13	4A	thin		I2
4090031	000	70	Red pine	1979	8	4A	thin		I2
4090032	000	5	Red pine	1979	7	4A	thin		I2
4090035	000	13	Red pine	1940	14	4A	clearcut	fp red pine	I2
4090044	000	128	Paper birch	1912	8	4A	shelterwood		D3, D9
4090046	000	20	Red pine	1935	13	4A	thin		I2
4090048	000	4	Red pine	1938	13	4A		underplant	
4090070	000	15	white pine	1936	12	4A	thin	tsi	I2
4090071	000	36	Red maple	1936	13	4A	shelterwood	underplant	D3, D9, J2
4091003	000	8	Mixed pines	1938	17	4A	thin		I2
4091004	000	6	Red pine	1938	12	4A	thin		H, J1, I2
4091006	000	23	Red pine	1938	12	4A	clearcut	fp red pine	H, J1, I2
4091007	000	48	Red pine	1938	14	4A	clearcut	fp red pine	H, J1, J2, I2
4091010	000	16	Red pine	1938	14	4A	thin		I2
4091014	000	6	Red pine	1938	14	4A	thin		I2
4091026	000	20	Red pine	1950	12	4A	thin		H, J1, I2
4091029	000	12	Red pine	1938	13	4A	thin		D3, D9, H, J1, I2
4091030	000	48	white pine-red oak	1939	15	4A	shelterwood	underplant	D3, D9, H, J1, I1, I2
4091033	000	5	Red pine	1938	14	4A	thin		H, J1, I2
4091036	000	27	Aspen	1960	10	4A	shelterwood		H, J1, J2, I2
4091037	000	25	Red pine	1938	12	4A	thin		H, J1, J2, I2
4092003	000	74	Red pine	1938	12	4A	thin	tsi	I2
4092008	000	13	Red pine	1938	13	4A	thin		D3, D9, I2
4093006	000	10	Aspen	1963	11	4A	thin		J1
4094001	000	29	Red pine	1984	6	4A	thin		D3, D9, I2
4094002	000	10	white pine	1935	18	4A	thin		I2
4094004	000	29	Red pine	1984	8	4A	thin		I2
4094005	000	44	Red pine	1978	8	4A	thin		I2
4094007	000	37	Red pine	1978	6	4A	thin		I2
4094009	000	50	Red pine	1991	6	4A	thin		I2
4094010	000	11	Jack pine	1978	6	4A	clearcut	fp red pine	I2
4094013	000	11	white pine-red oak	1935	10	4A	shelterwood		I2
4095002	000	65	Red pine-oak	1935	12	4A	thin	undrburn	I1, I2, M

Stand ID	Sub	Acres	Forest type	Year of origin	Ave. DBH	MA	Proposed harvest	Other proposed actions	*Design features
4095003	000	24	Jack pine	2005	0	4A		tsi	
4095008	000	34	Jack pine	1979	6	4A	clearcut	fp red pine	J1, J2, I2
4095009	000	28	Red pine	1977	7	4A	thin		I2
4095010	000	47	Red pine	1980	8	4A	thin		I2
4095012	000	39	Red pine	1978	8	4A	thin		I2
4095013	000	28	Red pine	1979	7	4A	thin		I2
4095018	000	23	Red pine	1979	7	4A	thin		I2
4095019	000	21	Aspen	1984	3	4A		underburn	
4095023	000	29	Aspen	1992	2	4A		underburn	
4095028	000	2	Aspen	1966	6	4A	clearcut		J1, J2
4095100	000	5	Open	1991	0	4A		underburn	
4095122	000	6	Open	1991	0	4A		underburn	
4096002	000	26	Red pine	1984	8	4A	thin		J1, J2, I2
4096003	000	9	Red pine	1983	6	4A	thin		J1, I2
4096006	000	86	Red maple	1966	10	4A	shelterwood		J1, J2
4096009	000	118	Red maple	1950	10	4A	shelterwood	tsi	D3, D9
4096010	000	19	Aspen	1966	10	4A	shelterwood		J1, J2
4096015	000	3	Aspen	1966	8	4A	clearcut		
4096029	000	5	Jack pine	1935	10	4A	special cut	underburn	J1, I2
4165011	000	23	Red pine	1938	12	4A		underplant	
4165022	000	182	Red pine	1939	12	4A		underplant	
4165024	000	7	Red pine	1955	10	4A		underplant	
4165025	000	47	Red pine	1945	11	4A		underplant	
4165026	000	14	Red pine	1980	5	4A	thin	underplant	H, J1, J2, I2
4165027	000	13	Red pine	1949	11	4A	thin	underplant	H, J1, J2, I2
4165029	000	10	Red pine	1980	7	4A		underplant	
4165031	000	13	white pine-red oak	1940	14	4A	shelterwood		I2
4165032	000	21	white pine-red oak	1957	8	4A		underplant	
4165050	000	6	Red pine	1980	7	4A	thin	underplant	H, J1, J2, I2
4166001	000	40	Aspen	1954	11	4A	thin	underplant	D3, D9, G3, H, J1, J2
4166003	000	41	Red pine	1941	10	4A		underplant	
4168016	000	2	Red pine	1950	13	4A	thin		I2
4182003	000	36	Hardwoods	1935	10	4A	shelterwood	tsi	D3, D9, G2
4182013	000	66	Aspen	1971	8	4A	thin		D1, D9
4182014	000	2	Red pine	1967	10	4A	thin		I2

Stand ID	Sub	Acres	Forest type	Year of origin	Ave. DBH	MA	Proposed harvest	Other proposed actions	*Design features
4182024	000	8	white pine-red oak	1940	11	4A	shelterwood		D3, D9, I2

*Design features are in the EIS, Section 2.3.

Legend
Salmon blade = sb
Full plant = fp
Precommercial thin = pt

Road ID	Existing Closure	Alt2 Closure	Alt3 Closure	Alt4 Closure	Alt2 Action	Alt3 Action	Alt4 Action	Alt2 Motorized Use	Alt3 Motorized Use	Alt4 Motorized Use	Mileage
2054	O	C	C	C	open nfsr-close due to NM area	open nfsr-close due to NM area	open nfsr-close due to NM area	None	None	None	0.34
2055	O	C	C	C	open nfsr-close due to NM area	open nfsr-close due to NM area	open nfsr-close due to NM area	None	None	None	0.95
2056	O	C	C	C	open nfsr-close due to NM area	open nfsr-close due to NM area	open nfsr-close due to NM area	None	None	None	0.22
2318	O	C	C	C	decommission-open system road	decommission-open system road	decommission-open system road	None	None	None	0.26
2318	O	O	O	O	maintain current use- open system road	maintain current use- open system road	maintain current use- open system road	HLV-Yearlong	HLV-Yearlong	HLV-Yearlong	0.40
2602	O	O	O	O	open system road-recon	open system road-recon	maintain current use- open system road	HLV-Yearlong	HLV-Yearlong	HLV-Yearlong	0.59
2958	O	O	O	O	open system road-recon	open system road-recon	maintain current use- open system road	HLV-Yearlong	HLV-Yearlong	HLV-Yearlong	0.27
2993	O	O	O	O	open system road-recon	open system road-recon	maintain current use- open system road	HLV-Yearlong	HLV-Yearlong	HLV-Yearlong	0.29
3008	O	C	C	C	open system road-recon and close	open system road-recon and close	open system road- close for resource reasons	None	None	None	0.39
3009	O	O	O	O	open system road-recon	open system road-recon	maintain current use- open system road	HLV-Yearlong	HLV-Yearlong	HLV-Yearlong	1.08
3178	O	O	O	O	open system road-recon	open system road-recon	maintain current use- open system road	HLV-Yearlong	HLV-Yearlong	HLV-Yearlong	0.10
3183	I	C	C	C	decommission-closed system road	decommission-closed system road	decommission-closed system road	None	None	None	0.32
3183	I	C	C	C	open nfsr- no current use, remove from MVUM.	open nfsr- no current use, remove from MVUM.	open nfsr- no current use, remove from MVUM.	None	None	None	0.35
3393	O	O	O	O	open system road-recon	open system road-recon	maintain current use- open system road	HLV-Yearlong	HLV-Yearlong	HLV-Yearlong	0.48
3778	C	C	C	C	decommission-closed system road	decommission-closed system road	decommission-closed system road	None	None	None	0.87
3778	O	O	O	O	maintain current use- open system road	maintain current use- open system road	maintain current use- open system road	HLV-Yearlong	HLV-Yearlong	HLV-Yearlong	0.22
3778	O	O	O	O	town road	town road	town road	Other Public Rd	Other Public Rd	Other Public Rd	0.13
94112	I	C	C	C	closed unauthorized road-recon	closed unauthorized road-recon	closed unauthorized road-add for future use	None	None	None	0.31
94122	O	C	C	C	decommission	decommission	decommission	None	None	None	0.07
94137	O	C	C	C	decommission	decommission	decommission	None	None	None	0.13
94137	O	O	O	O	open unauthorized road-add to sys.	open unauthorized road-add to sys.	open unauthorized road-add to sys.	None	None	None	0.48
94138	O	C	C	C	decommission	decommission	decommission	None	None	None	0.12
94141	O	O	O	O	open unauthorized road-recon	open unauthorized road-recon	open unauthorized road-add to sys.	None	None	None	0.63
94142	O	O	O	O	open unauthorized road-recon	open unauthorized road-recon	open unauthorized road-add to sys.	None	None	None	0.47
94143	O	C	C	C	decommission	decommission	decommission	None	None	None	0.05
94144	O	C	C	C	open unauthorized road-add to sys close NM area.	open unauthorized road-add to sys close NM area.	open unauthorized road-add to sys close NM area.	None	None	None	1.07
94145	O	C	C	C	decommission	decommission	decommission	None	None	None	0.05
94146	C	C	C	C	closed special use road-add to sys.	closed special use road-add to sys.	closed special use road-add to sys.	None	None	None	0.15
94146	C	C	C	C	decommission-already closed	decommission-already closed	decommission-already closed	None	None	None	0.17
94147	O	C	C	C	decommission	decommission	decommission	None	None	None	0.05
94148	C	C	C	C	closed unauthorized road-recon	closed unauthorized road-recon	closed unauthorized road-add for future use	None	None	None	0.11
94149	O	O	O	O	open unauthorized road-recon	open unauthorized road-recon	open unauthorized road-add to sys.	None	None	None	0.45
94225	C	C	C	C	closed unauthorized road-add to sys.	closed unauthorized road-add to sys.	closed unauthorized road-add for future use	None	None	None	0.64
94228	C	C	C	C	closed unauthorized road-recon	closed unauthorized road-recon	closed unauthorized road-add to sys.	None	None	None	1.06
94811	C	C	C	C	closed unauthorized road-recon	closed unauthorized road-recon	closed unauthorized road-add to sys.	None	None	None	0.30
94812	C	C	C	C	closed unauthorized road-recon	closed unauthorized road-recon	closed unauthorized road-add for future use	None	None	None	0.43
94816	O	C	C	C	decommission	decommission	decommission	None	None	None	0.11
94841	O	C	C	C	decommission	decommission	decommission	None	None	None	0.07
94842	O	C	C	C	decommission	decommission	decommission	None	None	None	0.14
94844	O	C	C	C	decommission	decommission	decommission	None	None	None	0.49
94845	O	C	C	C	decommission	decommission	decommission	None	None	None	0.16
94846	O	C	C	C	decommission	decommission	decommission	None	None	None	0.25
94847	O	C	C	C	decommission	decommission	decommission	None	None	None	0.40
94848	O	C	C	C	decommission	decommission	decommission	None	None	None	0.46
94849	O	C	C	C	decommission	decommission	decommission	None	None	None	0.15
642471	C	C	C	C	closed unauthorized road-recon	closed unauthorized road-recon	closed unauthorized road-add to sys.	None	None	None	0.04
941310	O	C	C	C	decommission	decommission	decommission	None	None	None	0.30
941311	O	C	C	C	decommission	decommission	decommission	None	None	None	0.09
941311	C	C	C	C	decommission-already closed	decommission-already closed	decommission-already closed	None	None	None	0.19
941312	O	C	C	C	decommission	decommission	decommission	None	None	None	0.24
941317	O	C	C	C	decommission	decommission	decommission	None	None	None	0.07

Road ID	Existing Closure	Alt2 Closure	Alt3 Closure	Alt4 Closure	Alt2 Action	Alt3 Action	Alt4 Action	Alt2 Motorized Use	Alt3 Motorized Use	Alt4 Motorized Use	Mileage
941318	C	C	C	C	closed special use road-add to sys.	closed special use road-add to sys.	closed special use road-add to sys.	None	None	None	0.02
941319	O	O	O	O	open unauthorized road-add to sys.	open unauthorized road-add to sys.	open unauthorized road-add to sys.	None	None	None	0.74
941320	O	O	O	O	open unauthorized road-add to sys.	open unauthorized road-add to sys.	open unauthorized road-add to sys.	None	None	None	0.46
941321	O	O	O	O	open unauthorized road-add to sys.	open unauthorized road-add to sys.	open unauthorized road-add to sys.	None	None	None	0.16
941329	O	C	C	C	decommission	decommission	decommission	None	None	None	0.39
941330	O	C	C	C	decommission	decommission	decommission	None	None	None	1.07
941331	O	C	C	C	decommission	decommission	decommission	None	None	None	0.29
941333	O	C	C	C	open unauthorized road-recon and close NM area	open unauthorized road-add to sys close NM area.	open unauthorized road-add to sys close NM area.	None	None	None	0.20
941336	O	C	C	C	open unauthorized road-add to sys close NM area.	open unauthorized road-add to sys close NM area.	open unauthorized road-add to sys close NM area.	None	None	None	0.21
941337	O	C	C	C	decommission	decommission	decommission	None	None	None	0.22
941338	O	C	C	C	decommission	decommission	decommission	None	None	None	0.05
941339	C	C	C	C	decommission-already closed	decommission-already closed	decommission-already closed	None	None	None	0.12
941339	O	C	C	C	open unauthorized road-recon and close NM area	open unauthorized road-recon and close NM area	open unauthorized road-add to sys close NM area.	None	None	None	0.37
941340	O	C	C	C	open unauthorized road-add to sys close NM area.	open unauthorized road-add to sys close NM area.	open unauthorized road-add to sys close NM area.	None	None	None	0.55
941342	O	C	C	C	decommission	decommission	decommission	None	None	None	0.54
941343	O	C	C	C	decommission	decommission	decommission	None	None	None	0.08
941344	O	C	C	C	decommission	decommission	decommission	None	None	None	0.04
941346	C	C	C	C	closed unauthorized road-recon	closed unauthorized road-recon	closed unauthorized road-add for future use	None	None	None	0.53
941347	C	C	C	C	closed unauthorized road-add to sys.	closed unauthorized road-add to sys.	closed unauthorized road-add for future use	None	None	None	0.34
941350	O	C	C	C	open unauthorized road-add to sys close NM area.	open unauthorized road-add to sys close NM area.	open unauthorized road-add to sys close NM area.	None	None	None	0.74
941351	O	O	O	O	open unauthorized road-add to sys.	open unauthorized road-add to sys.	open unauthorized road-add to sys.	None	None	None	0.03
941352	C	C	C	C	closed special use road-add to sys.	closed special use road-add to sys.	closed special use road-add to sys.	None	None	None	0.38
941354	O	C	C	C	decommission	decommission	decommission	None	None	None	0.16
941355	O	C	C	C	decommission	decommission	decommission	None	None	None	0.08
941356	O	C	C	C	open unauthorized road-recon and close NM area	open unauthorized road-add to sys close NM area.	open unauthorized road-add to sys close NM area.	None	None	None	0.32
941357	O	C	C	C	decommission	decommission	decommission	None	None	None	0.09
941359	O	O	O	O	open unauthorized road-recon	open unauthorized road-recon	open unauthorized road-add to sys.	None	None	None	0.37
941361	O	C	C	C	decommission	decommission	decommission	None	None	None	0.13
941365	O	C	C	C	decommission	decommission	decommission	None	None	None	0.10
941366	O	C	C	C	decommission	decommission	decommission	None	None	None	0.16
941367	O	C	C	C	decommission	decommission	decommission	None	None	None	0.05
941368	O	C	C	C	decommission	decommission	decommission	None	None	None	0.37
941369	O	C	C	C	decommission	decommission	decommission	None	None	None	0.34
941370	O	C	C	C	decommission	decommission	decommission	None	None	None	0.15
941371	O	C	C	C	decommission	decommission	decommission	None	None	None	0.53
941372	O	C	C	C	decommission	decommission	decommission	None	None	None	0.50
941373	O	C	C	C	decommission	decommission	decommission	None	None	None	0.08
941374	O	C	C	C	decommission	decommission	decommission	None	None	None	0.13
941375	O	C	C	C	decommission	decommission	decommission	None	None	None	0.21
941378	O	C	C	C	decommission	decommission	decommission	None	None	None	0.19
941380	C	C	C	C	closed unauthorized road-add for future use	closed unauthorized road-add for future use	closed unauthorized road-add for future use	None	None	None	0.36
941383	O	C	C	C	decommission	decommission	decommission	None	None	None	0.11
941390	O	O	O	O	open unauthorized road-add to sys.	open unauthorized road-add to sys.	open unauthorized road-add to sys.	None	None	None	0.20
941393	O	C	C	C	decommission	decommission	decommission	None	None	None	0.09
941397	O	C	C	C	decommission	decommission	decommission	None	None	None	0.08
941411	O	C	C	C	decommission	decommission	decommission	None	None	None	0.15
941414	O	C	C	C	decommission	decommission	decommission	None	None	None	1.03
941415	O	C	C	C	decommission	decommission	decommission	None	None	None	0.37
941416	O	C	C	C	open unauthorized road-recon and close NM area	open unauthorized road-recon and close NM area	open unauthorized road-add to sys close NM area.	None	None	None	0.29
941417	O	C	C	C	decommission	decommission	decommission	None	None	None	0.37
941421	O	C	C	C	decommission	decommission	decommission	None	None	None	0.03

Road ID	Existing Closure	Alt2 Closure	Alt3 Closure	Alt4 Closure	Alt2 Action	Alt3 Action	Alt4 Action	Alt2 Motorized Use	Alt3 Motorized Use	Alt4 Motorized Use	Mileage
941422	O	C	C	C	decommission	decommission	decommission	None	None	None	0.37
941424	O	O	O	O	open unauthorized road-add to sys.	open unauthorized road-add to sys.	open unauthorized road-add to sys.	None	None	None	0.40
941426	O	C	C	C	decommission	decommission	decommission	None	None	None	0.38
941428	O	C	C	C	decommission	decommission	decommission	None	None	None	0.71
941432	O	O	O	O	open unauthorized road-recon	open unauthorized road-recon	open unauthorized road-add to sys.	None	None	None	0.91
941435	O	C	C	C	decommission	decommission	decommission	None	None	None	0.22
941436	O	C	C	C	decommission	decommission	decommission	None	None	None	0.33
941437	O	C	C	C	decommission	decommission	decommission	None	None	None	0.06
941438	O	C	C	C	decommission	decommission	decommission	None	None	None	0.11
941439	O	C	C	C	decommission	decommission	decommission	None	None	None	0.08
941440	O	C	C	C	decommission	decommission	decommission	None	None	None	0.14
941441	O	C	C	C	decommission	decommission	decommission	None	None	None	0.37
941442	O	C	C	C	decommission	decommission	decommission	None	None	None	0.11
941443	O	C	C	C	decommission	decommission	decommission	None	None	None	0.05
941449	O	C	C	C	decommission	decommission	decommission	None	None	None	0.12
941449	O	O	O	O	open unauthorized road-recon	open unauthorized road-add to sys.	open unauthorized road-add to sys.	None	None	None	0.05
941450	O	C	C	C	open unauthorized road-recon and close NM area	open unauthorized road-recon and close NM area	open unauthorized road-add to sys close NM area.	None	None	None	0.09
941451	O	C	C	C	decommission	decommission	decommission	None	None	None	0.09
941454	O	C	C	C	decommission	decommission	decommission	None	None	None	0.14
941456	O	O	O	O	open unauthorized road-add to sys.	open unauthorized road-add to sys.	open unauthorized road-add to sys.	None	None	None	0.38
941457	O	C	C	C	decommission	decommission	decommission	None	None	None	0.03
941459	O	C	C	C	decommission	decommission	decommission	None	None	None	0.18
941460	O	C	C	C	open unauthorized road-recon and close NM area	open unauthorized road-recon and close NM area	open unauthorized road-add to sys close NM area.	None	None	None	0.82
941461	C	C	C	C	closed special use road-add to sys.	closed special use road-add to sys.	closed special use road-add to sys.	None	None	None	0.01
941463	O	O	O	O	open unauthorized road-add to sys.	open unauthorized road-add to sys.	open unauthorized road-add to sys.	None	None	None	0.30
941465	O	C	C	C	open unauthorized road-recon and close NM area	open unauthorized road-recon and close NM area	open unauthorized road-add to sys close NM area.	None	None	None	0.23
941468	O	C	C	C	decommission	decommission	decommission	None	None	None	0.08
941469	O	C	C	C	decommission	decommission	decommission	None	None	None	0.14
941470	O	trail	trail	trail	atv trail-no action	atv trail-no action	atv trail-no action	atv	atv	atv	0.60
941470	O	trail	trail	trail	atv trail-use for temp haul road	atv trail-use for temp haul road	atv trail-use for temp haul road	atv	atv	atv	0.63
941471	O	C	C	C	decommission	decommission	decommission	None	None	None	0.11
941472	O	C	C	C	decommission	decommission	decommission	None	None	None	0.22
941474	O	C	C	C	decommission	decommission	decommission	None	None	None	0.06
941475	O	C	C	C	decommission	decommission	decommission	None	None	None	0.22
941476	O	C	C	C	decommission	decommission	decommission	None	None	None	0.20
941477	O	C	C	C	decommission	decommission	decommission	None	None	None	0.18
941477	O	O	O	O	open unauthorized road-recon	open unauthorized road-recon	open unauthorized road-add to sys.	None	None	None	0.38
941478	O	C	C	C	decommission	decommission	decommission	None	None	None	0.14
941479	O	O	O	O	open unauthorized road-add to sys.	open unauthorized road-add to sys.	open unauthorized road-add to sys.	None	None	None	0.18
941480	O	C	C	C	decommission	decommission	decommission	None	None	None	0.45
941481	O	C	C	C	decommission	decommission	decommission	None	None	None	0.07
941482	O	C	C	C	decommission	decommission	decommission	None	None	None	0.20
941483	O	C	C	C	decommission	decommission	decommission	None	None	None	0.11
941484	O	C	C	C	decommission	decommission	decommission	None	None	None	0.22
941485	O	C	C	C	decommission	decommission	decommission	None	None	None	0.09
942113	O	C	C	C	decommission	decommission	decommission	None	None	None	0.07
942114	O	C	C	C	decommission	decommission	decommission	None	None	None	0.15
942115	O	C	C	C	decommission	decommission	decommission	None	None	None	0.09
942117	O	O	O	O	open unauthorized road-add to sys.	open unauthorized road-add to sys.	open unauthorized road-add to sys.	None	None	None	0.17
942118	O	C	C	C	decommission	decommission	decommission	None	None	None	0.14
942123	C	C	C	C	closed unauthorized road-add to sys.	closed unauthorized road-add to sys.	closed unauthorized road-add to sys.	None	None	None	0.66

Road ID	Existing Closure	Alt2 Closure	Alt3 Closure	Alt4 Closure	Alt2 Action	Alt3 Action	Alt4 Action	Alt2 Motorized Use	Alt3 Motorized Use	Alt4 Motorized Use	Mileage
942124	C	C	C	C	closed unauthorized road-recon	closed unauthorized road-recon	closed unauthorized road-add to sys.	None	None	None	0.63
942125	C	C	C	C	closed unauthorized road-add for future use	closed unauthorized road-add for future use	closed unauthorized road-add for future use	None	None	None	0.32
942148	O	C	C	C	decommission	decommission	decommission	None	None	None	0.10
942149	O	C	C	C	decommission	decommission	decommission	None	None	None	0.12
942150	C	C	C	C	closed unauthorized road-recon	closed unauthorized road-recon	closed unauthorized road-add to sys.	None	None	None	0.62
942150	C	C	C	C	decommission-already closed	decommission-already closed	decommission-already closed	None	None	None	0.10
942152	C	C	C	C	closed unauthorized road-recon	closed unauthorized road-recon	closed unauthorized road-add for future use	None	None	None	0.09
942153	O	C	C	C	decommission	decommission	decommission	None	None	None	0.07
942154	O	C	C	C	decommission	decommission	decommission	None	None	None	0.15
942155	O	C	C	C	decommission	decommission	decommission	None	None	None	0.06
942156	O	O	O	O	open unauthorized road-recon	open unauthorized road-add to sys.	open unauthorized road-add to sys.	None	None	None	0.39
942157	O	C	C	C	decommission	decommission	decommission	None	None	None	0.05
942157	O	O	O	O	open unauthorized road-add to sys.	open unauthorized road-add to sys.	open unauthorized road-add to sys.	None	None	None	0.05
942158	O	O	O	O	open unauthorized road-add to sys.	open unauthorized road-add to sys.	open unauthorized road-add to sys.	None	None	None	0.16
942159	O	O	O	O	open unauthorized road-recon	open unauthorized road-add to sys.	open unauthorized road-add to sys.	None	None	None	0.40
942160	O	O	O	O	open unauthorized road-recon	open unauthorized road-recon	open unauthorized road-add to sys.	None	None	None	0.31
942161	O	O	O	O	open unauthorized road-add to sys.	open unauthorized road-add to sys.	open unauthorized road-add to sys.	None	None	None	0.12
942163	O	O	O	O	open unauthorized road-recon	open unauthorized road-recon	open unauthorized road-add to sys.	None	None	None	0.43
942164	O	C	C	C	decommission	decommission	decommission	None	None	None	0.15
942166	C	C	C	C	closed unauthorized road-recon	closed unauthorized road-recon	closed unauthorized road-add to sys.	None	None	None	0.36
942168	C	C	C	C	closed unauthorized road-add to sys.	closed unauthorized road-add to sys.	closed unauthorized road-add to sys.	None	None	None	0.44
942169	C	C	C	C	closed unauthorized road-recon	closed unauthorized road-add for future use	closed unauthorized road-add for future use	None	None	None	0.06
942170	C	C	C	C	closed unauthorized road-recon	closed unauthorized road-recon	closed unauthorized road-add for future use	None	None	None	0.26
942172	O	O	O	O	open unauthorized road-add to sys.	open unauthorized road-add to sys.	open unauthorized road-add to sys.	None	None	None	0.35
942173	C	C	C	C	closed unauthorized road-recon	closed unauthorized road-add for future use	closed unauthorized road-add for future use	None	None	None	0.33
942174	O	O	O	O	open unauthorized road-recon	open unauthorized road-recon	open unauthorized road-add to sys.	None	None	None	0.27
942176	O	C	C	C	decommission	decommission	decommission	None	None	None	0.18
942177	O	C	C	C	decommission	decommission	decommission	None	None	None	0.06
942184	C	C	C	C	closed unauthorized road-add for future use	closed unauthorized road-add for future use	closed unauthorized road-add for future use	None	None	None	0.68
942210	C	C	C	C	closed unauthorized road-add to sys.	closed unauthorized road-add to sys.	closed unauthorized road-add for future use	None	None	None	0.29
942212	O	C	C	C	open unauthorized road-add to sys close NM area.	open unauthorized road-add to sys close NM area.	open unauthorized road-add to sys close NM area.	None	None	None	0.36
942216	C	C	C	C	closed special use road-add to sys.	closed special use road-add to sys.	closed special use road-add to sys.	None	None	None	0.02
942218	O	C	C	C	decommission	decommission	decommission	None	None	None	0.08
942219	O	C	C	C	decommission	decommission	decommission	None	None	None	0.07
942222	O	C	C	C	decommission	decommission	decommission	None	None	None	0.25
942222	O	C	C	C	open unauthorized road-add to sys close NM area.	open unauthorized road-add to sys close NM area.	open unauthorized road-add to sys close NM area.	None	None	None	0.20
942224	C	C	C	C	closed unauthorized road-recon	closed unauthorized road-recon	closed unauthorized road-add to sys.	None	None	None	0.23
942226	C	C	C	C	closed unauthorized road-recon	closed unauthorized road-recon	closed unauthorized road-add for future use	None	None	None	0.41
942230	C	C	C	C	closed unauthorized road-recon	closed unauthorized road-recon	closed unauthorized road-add for future use	None	None	None	0.79
942232	C	C	C	C	closed unauthorized road-recon	closed unauthorized road-recon	closed unauthorized road-add to sys.	None	None	None	0.43
942233	C	C	C	C	closed unauthorized road-recon	closed unauthorized road-recon	closed unauthorized road-add to sys.	None	None	None	0.60
942254	C	C	C	C	closed unauthorized road-recon	closed unauthorized road-recon	closed unauthorized road-add to sys.	None	None	None	0.37
942258	C	C	C	C	closed unauthorized road-recon	closed unauthorized road-recon	closed unauthorized road-add to sys.	None	None	None	0.13
942264	C	C	C	C	closed unauthorized road-add to sys.	closed unauthorized road-add to sys.	closed unauthorized road-add to sys.	None	None	None	0.25
942271	O	O	O	O	open unauthorized road-add to sys.	open unauthorized road-add to sys.	open unauthorized road-add to sys.	None	None	None	0.36
942273	O	C	C	C	decommission	decommission	decommission	None	None	None	0.09
942276	O	C	C	C	decommission	decommission	decommission	None	None	None	0.27
942277	O	C	C	C	decommission	decommission	decommission	None	None	None	0.20
942280	O	C	C	C	decommission	decommission	decommission	None	None	None	0.11
942282	O	O	O	O	open unauthorized road-recon	open unauthorized road-recon	open unauthorized road-add to sys.	None	None	None	0.56
942285	O	C	C	C	decommission	decommission	decommission	None	None	None	0.15

Road ID	Existing Closure	Alt2 Closure	Alt3 Closure	Alt4 Closure	Alt2 Action	Alt3 Action	Alt4 Action	Alt2 Motorized Use	Alt3 Motorized Use	Alt4 Motorized Use	Mileage
942286	O	C	C	C	decommission	decommission	decommission	None	None	None	0.04
942288	O	C	C	C	decommission	decommission	decommission	None	None	None	0.10
942292	C	C	C	C	closed unauthorized road-recon	closed unauthorized road-recon	closed unauthorized road-add for future use	None	None	None	0.13
942293	O	O	O	O	open unauthorized road-recon	open unauthorized road-recon	open unauthorized road-add to sys.	None	None	None	0.20
942341	O	C	C	C	decommission	decommission	decommission	None	None	None	0.30
942350	O	C	C	C	decommission	decommission	decommission	None	None	None	0.23
942351	O	C	C	C	decommission	decommission	decommission	None	None	None	0.16
942356	O	C	C	C	decommission	decommission	decommission	None	None	None	0.09
942357	O	C	C	C	decommission	decommission	decommission	None	None	None	0.09
942359	O	C	C	C	decommission	decommission	decommission	None	None	None	0.12
942360	O	C	C	C	decommission	decommission	decommission	None	None	None	0.16
942361	O	C	C	C	decommission	decommission	decommission	None	None	None	0.09
942362	O	O	O	O	open unauthorized road-recon	open unauthorized road-recon	open unauthorized road-add to sys.	None	None	None	0.15
942364	O	C	C	C	decommission	decommission	decommission	None	None	None	0.13
942367	O	C	C	C	decommission	decommission	decommission	None	None	None	0.05
942368	O	C	C	C	decommission	decommission	decommission	None	None	None	0.13
942369	C	C	C	C	closed unauthorized road-add for future use	closed unauthorized road-add for future use	closed unauthorized road-add for future use	None	None	None	0.26
942372	C	C	C	C	closed unauthorized road-recon	closed unauthorized road-add for future use	closed unauthorized road-add for future use	None	None	None	0.36
942376	C	C	C	C	closed unauthorized road-recon	closed unauthorized road-recon	closed unauthorized road-add for future use	None	None	None	0.19
942389	C	C	C	C	closed unauthorized road-recon	closed unauthorized road-recon	closed unauthorized road-add to sys.	None	None	None	0.57
942391	O	C	C	C	decommission	decommission	decommission	None	None	None	0.14
942392	O	C	C	C	decommission	decommission	decommission	None	None	None	0.11
948410	O	C	C	C	decommission	decommission	decommission	None	None	None	0.13
948411	O	C	C	C	decommission	decommission	decommission	None	None	None	0.15
948412	O	C	C	C	decommission	decommission	decommission	None	None	None	0.06
948413	O	C	C	C	decommission	decommission	decommission	None	None	None	0.23
948415	O	C	C	C	decommission	decommission	decommission	None	None	None	0.11
948415	O	C	C	C	open unauthorized road-recon and close after use	open unauthorized road-recon and close after use	open unauthorized road-add to sys close after use.	None	None	None	0.16
948416	O	C	C	C	decommission	decommission	decommission	None	None	None	0.10
948416	O	C	C	C	open unauthorized road-add to sys close after use.	open unauthorized road-add to sys close after use.	open unauthorized road-add to sys close after use.	None	None	None	0.13
948417	O	C	C	C	decommission	decommission	decommission	None	None	None	0.15
9392105	O	C	C	C	decommission	decommission	decommission	None	None	None	0.24
9392109	O	C	C	C	decommission	decommission	decommission	None	None	None	0.33
9392145	O	C	C	C	decommission	decommission	decommission	None	None	None	0.24
9403165	O	O	O	O	open unauthorized road-recon	open unauthorized road-recon	open unauthorized road-add to sys.	None	None	None	0.10
9403170	O	C	C	C	decommission	decommission	decommission	None	None	None	0.10
9403171	O	C	C	C	decommission	decommission	decommission	None	None	None	0.13
9403172	O	C	C	C	decommission	decommission	decommission	None	None	None	0.32
9403173	O	O	O	O	open unauthorized road-add to sys.	open unauthorized road-add to sys.	open unauthorized road-add to sys.	None	None	None	0.25
9403174	O	C	C	C	decommission	decommission	decommission	None	None	None	0.24
9403175	O	C	C	C	decommission	decommission	decommission	None	None	None	0.32
9403177	O	O	O	O	open unauthorized road-recon	open unauthorized road-recon	open unauthorized road-add to sys.	None	None	None	1.06
9403178	O	C	C	C	decommission	decommission	decommission	None	None	None	0.19
9403179	O	C	C	C	decommission	decommission	decommission	None	None	None	0.76
9403181	O	C	C	C	decommission	decommission	decommission	None	None	None	0.11
9403184	O	C	C	C	decommission	decommission	decommission	None	None	None	0.50
9403184	O	C	C	C	open unauthorized road-add to sys close after use.	open unauthorized road-add to sys close after use.	open unauthorized road-add to sys close after use.	None	None	None	0.30
9403187	O	C	C	C	open unauthorized road-add to sys close after use.	open unauthorized road-add to sys close after use.	open unauthorized road-add to sys close after use.	None	None	None	0.39
9403188	O	C	C	C	decommission	decommission	decommission	None	None	None	0.08
9403189	O	C	C	C	decommission	decommission	decommission	None	None	None	0.31
9403189	O	C	C	C	open unauthorized road-add to sys close after use.	open unauthorized road-add to sys close after use.	open unauthorized road-add to sys close after use.	None	None	None	0.16

Road ID	Existing Closure	Alt2 Closure	Alt3 Closure	Alt4 Closure	Alt2 Action	Alt3 Action	Alt4 Action	Alt2 Motorized Use	Alt3 Motorized Use	Alt4 Motorized Use	Mileage
9403190	O	C	C	C	open unauthorized road-add to sys close after use.	open unauthorized road-add to sys close after use.	open unauthorized road-add to sys close after use.	None	None	None	0.19
9403191	O	C	C	C	decommission	decommission	decommission	None	None	None	0.11
9403196	O	O	O	O	open unauthorized road-recon	open unauthorized road-recon	open unauthorized road-add to sys.	None	None	None	0.73
9403199	O	C	C	C	open unauthorized road-recon and close after use	open unauthorized road-recon and close after use	open unauthorized road-add to sys close after use.	None	None	None	0.50
9403204	Fall	Fall	Fall	Fall	seasonal closed unauthorized road-add to sys.	seasonal closed unauthorized road-add to sys.	seasonal closed unauthorized road-add to sys.	None	None	None	1.09
9403206	O	O	O	O	open unauthorized road-add to sys.	open unauthorized road-add to sys.	open unauthorized road-add to sys.	None	None	None	0.38
9403207	Fall	Fall	Fall	Fall	seasonal closed unauthorized road-add to sys.	seasonal closed unauthorized road-add to sys.	seasonal closed unauthorized road-add to sys.	None	None	None	0.49
9403208	O	C	C	C	decommission	decommission	decommission	None	None	None	0.04
9403209	O	C	C	C	decommission	decommission	decommission	None	None	None	0.12
9403210	O	C	C	C	decommission	decommission	decommission	None	None	None	0.39
9403211	O	C	C	C	decommission	decommission	decommission	None	None	None	0.16
9403212	O	O	O	O	open unauthorized road-recon	open unauthorized road-recon	open unauthorized road-add to sys.	None	None	None	0.12
9403225	O	C	C	C	decommission	decommission	decommission	None	None	None	0.81
9403228	C	C	C	C	closed unauthorized road-recon	closed unauthorized road-recon	closed unauthorized road-add to sys.	None	None	None	0.32
9413100	O	C	C	C	decommission	decommission	decommission	None	None	None	0.10
9413101	O	O	O	O	open unauthorized road-recon	open unauthorized road-recon	open unauthorized road-add to sys.	None	None	None	0.33
9413102	O	C	C	C	decommission	decommission	decommission	None	None	None	0.09
9413103	O	C	C	C	decommission	decommission	decommission	None	None	None	0.12
9413104	O	O	O	O	open unauthorized road-recon	open unauthorized road-recon	open unauthorized road-add to sys.	None	None	None	0.23
9413105	O	C	C	C	decommission	decommission	decommission	None	None	None	0.17
9413106	O	O	O	O	open unauthorized road-recon	open unauthorized road-recon	open unauthorized road-add to sys.	None	None	None	0.17
9413107	O	C	C	C	decommission	decommission	decommission	None	None	None	0.19
9413108	O	O	O	O	open unauthorized road-recon	open unauthorized road-recon	open unauthorized road-add to sys.	None	None	None	0.38
9421106	C	C	C	C	closed unauthorized road-recon	closed unauthorized road-recon	closed unauthorized road-add for future use	None	None	None	0.05
9421107	C	C	C	C	closed unauthorized road-recon	closed unauthorized road-recon	closed unauthorized road-add to sys.	None	None	None	0.70
9421113	C	C	C	C	closed unauthorized road-add to sys.	closed unauthorized road-add to sys.	closed unauthorized road-add to sys.	None	None	None	0.26
9421116	C	C	C	C	closed unauthorized road-recon	closed unauthorized road-recon	closed unauthorized road-add for future use	None	None	None	0.47
9421117	O	C	C	C	decommission	decommission	decommission	None	None	None	0.08
9421120	O	C	C	C	decommission	decommission	decommission	None	None	None	0.23
9422100	O	O	O	O	open unauthorized road-add to sys.	open unauthorized road-add to sys.	open unauthorized road-add to sys.	None	None	None	0.31
9422102	O	C	C	C	decommission	decommission	decommission	None	None	None	0.37
9422103	O	C	C	C	decommission	decommission	decommission	None	None	None	0.17
9422105	O	C	C	C	decommission	decommission	decommission	None	None	None	0.87
9422105	O	C	C	C	decommission	decommission	decommission	None	None	None	0.25
9422106	C	C	C	C	closed unauthorized road-recon	closed unauthorized road-recon	closed unauthorized road-add to sys.	None	None	None	0.03
9422106	C	C	C	C	closed unauthorized road-recon	closed unauthorized road-recon	closed unauthorized road-add to sys.	None	None	None	0.46
9422107	C	C	C	C	closed unauthorized road-recon	closed unauthorized road-recon	closed unauthorized road-add to sys.	None	None	None	0.23
9422108	O	C	C	C	decommission	decommission	decommission	None	None	None	0.13
2055A	O	C	C	C	open nfsr-close due to NM area	open nfsr-close due to NM area	open nfsr-close due to NM area	None	None	None	0.23
2071A	O	trail	trail	trail	atv trail-no action	atv trail-no action	atv trail-no action	atv	atv	atv	0.40
2071A	O	trail	trail	trail	atv trail-no action	atv trail-no action	improve atv trail to haul standard	atv	atv	atv	0.21
2102B	O	C	C	C	decommission-open system road	decommission-open system road	decommission-open system road	None	None	None	0.14
2102C	O	C	C	C	decommission-open system road	decommission-open system road	decommission-open system road	None	None	None	0.14
2102C	O	O	O	O	open system road-recon	open system road-recon	maintain current use- open system road	HLV-Yearlong	HLV-Yearlong	HLV-Yearlong	0.27
2102HA	I	C	C	C	open nfsr- no current use, remove from MVUM.	open nfsr- no current use, remove from MVUM.	open nfsr- no current use, remove from MVUM.	None	None	None	0.44
2102HAA	I	C	C	C	open nfsr- no current use, remove from MVUM.	open nfsr- no current use, remove from MVUM.	open nfsr- no current use, remove from MVUM.	None	None	None	0.34
2107B	C	C	C	C	closed system road-recon	closed system road-recon	maintain current use- closed system road	None	None	None	0.06
2107C	C	C	C	C	maintain current use- closed system road	maintain current use- closed system road	maintain current use- closed system road	None	None	None	0.58
2107C	O	C	C	C	open nfsr-close due to NM area	open nfsr-close due to NM area	open nfsr-close due to NM area	None	None	None	0.26
2107CA	O	C	C	C	open nfsr-close due to NM area	open nfsr-close due to NM area	open nfsr-close due to NM area	None	None	None	0.21
2107E	O	C	C	C	open nfsr-close due to NM area	open nfsr-close due to NM area	open nfsr-close due to NM area	None	None	None	0.86

Road ID	Existing Closure	Alt2 Closure	Alt3 Closure	Alt4 Closure	Alt2 Action	Alt3 Action	Alt4 Action	Alt2 Motorized Use	Alt3 Motorized Use	Alt4 Motorized Use	Mileage
2107H	O	O	O	O	open system road-recon	open system road-recon	maintain current use- open system road	HLV-Yearlong	HLV-Yearlong	HLV-Yearlong	0.23
2107J	O	C	C	C	open nfsr-close due to NM area	open nfsr-close due to NM area	open nfsr-close due to NM area	None	None	None	0.20
2272AA	O	O	O	O	open system road-recon	open system road-recon	maintain current use- open system road	HLV-Yearlong	HLV-Yearlong	HLV-Yearlong	0.52
2272AAA	I	C	C	C	closed system road-recon	closed system road-recon	maintain current use- closed system road	None	None	None	0.54
2303A	C	C	C	C	closed system road-recon	closed system road-recon	maintain current use- closed system road	None	None	None	0.86
2305B	O	C	C	C	open nfsr-close due to NM area	open nfsr-close due to NM area	open nfsr-close due to NM area	None	None	None	0.15
2309A	I	C	C	C	open nfsr- no current use, remove from MVUM.	open nfsr- no current use, remove from MVUM.	open nfsr- no current use, remove from MVUM.	None	None	None	0.50
2309C	O	C	C	C	open nfsr-close due to NM area	open nfsr-close due to NM area	open nfsr-close due to NM area	None	None	None	0.39
2309D	O	O	O	O	town road-look at chunk wood improvement	town road-look at chunk wood improvement	town road-look at chunk wood improvement	Other Public Rd	Other Public Rd	Other Public Rd	1.46
2309DA	O	O	O	O	town road-look at chunk wood improvement	town road-look at chunk wood improvement	town road-look at chunk wood improvement	Other Public Rd	Other Public Rd	Other Public Rd	1.28
2309DB	O	O	O	O	town road-look at chunk wood improvement	town road-look at chunk wood improvement	town road-look at chunk wood improvement	Other Public Rd	Other Public Rd	Other Public Rd	0.39
2309E	O	O	O	O	open system road-recon	open system road-recon	maintain current use- open system road	HLV-Yearlong	HLV-Yearlong	HLV-Yearlong	0.64
2309G	O	C	C	C	open nfsr-close due to NM area	open nfsr-close due to NM area	open nfsr-close due to NM area	None	None	None	0.19
2309K	O	O	O	O	open system road-recon	open system road-recon	maintain current use- open system road	HLV-Yearlong	HLV-Yearlong	HLV-Yearlong	0.78
2309KA	I	C	C	C	closed system road-recon	closed system road-recon	maintain current use- closed system road	None	None	None	0.41
2312A	O	C	C	C	open nfsr-close due to NM area	open nfsr-close due to NM area	open nfsr-close due to NM area	None	None	None	0.31
2312B	O	C	C	C	open nfsr-close due to NM area	open nfsr-close due to NM area	open nfsr-close due to NM area	None	None	None	0.24
2319E	O	C	C	C	decommission-open system road	decommission-open system road	decommission-open system road	None	None	None	0.36
2322C	O	O	O	O	open system road-recon	open system road-recon	maintain current use- open system road	HLV-Yearlong	HLV-Yearlong	HLV-Yearlong	0.50
2324A	I	C	C	C	decommission-open system road, no use	decommission-open system road, no use	decommission-open system road, no use	None	None	None	1.36
2324AA	I	C	C	C	decommission-open system road, no use	decommission-open system road, no use	decommission-open system road, no use	None	None	None	0.86
2327A	O	O	O	O	open system road-recon	open system road-recon	maintain current use- open system road	HLV-Yearlong	HLV-Yearlong	HLV-Yearlong	0.55
2327B	O	O	O	O	open system road-recon	open system road-recon	maintain current use- open system road	HLV-Yearlong	HLV-Yearlong	HLV-Yearlong	0.55
2630B	C	C	C	C	decommission-closed system road	decommission-closed system road	decommission-closed system road	None	None	None	0.13
2683A	I	C	C	C	decommission-closed system road	decommission-closed system road	decommission-closed system road	None	None	None	0.59
CON1	C	C	C	C	construct to D	construct to D	construct to D	None	None	None	0.14
CON10	C	C	C	drop	temp road construction	temp road construction	drop	None	None	drop	0.59
CON11	C	C	C	C	construct to D	construct to D	construct to D	None	None	None	0.18
CON12	C	C	C	drop	construct to D	construct to D	drop	None	None	drop	0.04
CON13	C	C	C	C	construct to D	construct to D	construct to D	None	None	None	0.05
CON14	C	C	C	drop	construct to tsl C	construct to tsl C	drop	None	None	drop	0.04
CON15	C	C	drop	C	construct to D	drop	construct to D	None	None	None	0.69
CON2	C	C	C	C	construct to D	construct to D	construct to D	None	None	None	0.07
CON3	C	C	C	C	construct to D	construct to D	construct to D	None	None	None	0.08
CON4	C	C	C	C	construct to D	construct to D	construct to D	None	None	None	0.05
CON5	C	C	C	C	construct to D	construct to D	construct to D	None	None	None	0.24
CON6	C	C	C	C	construct to D	construct to D	construct to D	None	None	None	0.17
CON7	C	C	C	drop	construct to tsl C	construct to tsl C	drop	None	None	drop	0.07
CON8	C	C	drop	drop	construct to D	drop	drop	None	None	drop	0.17
CON9	C	C	C	C	construct to D	construct to D	construct to D	None	None	None	0.51
RAILROAD	C	trail	trail	trail	acquire permit to use railroad as landing for sale	acquire permit to use railroad as landing for sale	RR-atv tral-no action	atv-state trail	atv-state trail	atv-state trail	0.17

Lakewood Southeast Project

Alternative 2 Harvest and Road Actions MapA

Lakewood - Laona Ranger District

Chequamegon - Nicolet National Forest

0 1 2 Miles

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ProjectArea

Road Actions

- Reconstruction
- Construction
- Decommission
- Close

Existing Roads

- Main Roads
- Secondary Roads
- Local Roads
- Woods Roads

HARVEST

- Clearcut
- Selection
- Shelterwood
- Special cut
- Thin
- Forest Boundary
- Streams
- Lakes
- Forest Ownership

MH 2-21-12

N

3877 2104 2321 2617 310 2102 W W

38-16 38-5 38-8 38-7 49-1 49-16 49-8 49-12 49-14 40-27 49-19 49-20 37-1 37-16 37-29 37-36 37-33 37-34 37-10 37-12 51-2 37-3 37-22 37-40 37-26 37-11 51-15 51-33 51-16 37-19 51-13 51-23 37-21 51-19 51-29 51-20 51-24 51-27 50-33 50-8 50-9 50-12 50-18 52-7 52-8 55-21 55-22 50-24 55-23 54-5 54-3 54-26 54-9 52-14 52-18 52-37 52-11 53-15 53-14 52-12 52-21 52-22 53-13 53-12 52-16 54-15 54-16 54-22 54-25 54-13 53-3 58-34 54-17 52-38 52-27 58-16

Lakewood Southeast Project

Alternative 2 Other Treatment Map A

Lakewood - Laona Ranger District

Chequamegon - Nicolet National Forest

0 1 2 Miles

Stands Less Than Three Acres Shown On Map without Labels

Stand ID	Acres	Stand ID	Acres	Stand ID	Acres
52-109	0.5	73-117	0.6	87-22	0.4
52-110	0.1	73-118	1.1	87-26	1.2
52-116	0.3	73-119	0.7	87-31	1.9
73-76	0.5	73-120	0.5	87-32	0.5
73-78	1.1	86-1	1.4	87-106	0.4
73-81	1.6	86-51	0.3	89-19	1.6
73-86	1.5	86-52	0.4	89-31	0.4
73-87	0.4	86-101	2.3	89-42	1.6
73-88	0.6	86-102	2.3	89-45	0.7
73-90	1.0	86-103	0.9	89-52	1.8
73-93	2.3	86-104	0.4	89-57	1.4
73-105	1.5	86-105	0.8	89-65	0.9
73-109	1.6	86-106	0.6	89-118	0.2
73-110	1.1	86-107	2.3	89-119	0.7
73-111	1.0	86-111	0.3	89-121	0.2
73-112	1.1	86-112	0.3	89-126	0.6
73-114	1.7	86-116	0.6		
73-115	0.7	86-117	0.4		

ProjectArea

Existing Roads

- Main Roads
- Secondary Roads
- Local Roads
- Woods Roads
- Forest Boundary
- Lakes
- Streams

Other Treatments

- Plant Pine
- Underplant
- Prepare Site & Underplant
- RxBurn
- RxBurn & Plant Pine
- Non-comercial Thinning
- Timber Improvement
- Forest Ownership

N

3877
2104
2321
2102
W
37-10
51-9
51-29
50-8
51-24
55-21
52-23
52-10
52-14
54-5
52-11
54-9
52-18
52-12
54-22
52-22
54-25
52-21
58-34
W

MH 8/28-12

Lakewood Southeast Project

Alternative 3 Harvest and Road Actions Map A

Lakewood - Laona Ranger District

Chequamegon - Nicolet National Forest

0 1 Miles

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ProjectArea

Road Actions
- Reconstruction
- Construction
- Decommission
- Close

Existing Roads
- Main Roads
- Secondary Roads
- Local Roads
- Woods Roads

HARVEST
- Clearcut
- Selection
- Shelterwood
- Special cut
- Thin
- Lakes
- Streams
- Forest Ownership

N

3877
2104
2321
2617
2310
2102
W
W

38-16 38-5 38-8 38-7 49-1 49-16 49-8 40-27 49-12 49-14 49-19 49-18 49-20 37-1 37-16 37-29 37-36 37-33 37-34 37-10 37-12 51-2 37-3 37-26 37-22 37-40 37-11 51-15 51-33 51-16 37-19 51-13 51-23 37-21 51-19 51-29 51-20 51-24 51-27 50-33 50-8 50-9 50-12 50-18 52-7 52-8 55-21 55-22 50-24 55-23 54-5 54-3 54-9 54-26 52-14 52-18 52-37 52-11 53-15 53-14 52-21 52-12 52-22 53-13 53-12 52-16 54-15 54-16 54-22 54-25 54-13 53-3 54-17 52-38 52-27 58-34 58-16

MH 7-30-12

Lakewood Southeast Project

Alternative 3 Other Treatment Map A

Lakewood - Laona Ranger District

Chequamegon - Nicolet National Forest

0 1 2 Miles

Stands Less Than Three Acres Shown On Map without Labels

Stand ID	Acres	Stand ID	Acres	Stand ID	Acres
52-109	0.5	73-119	0.7	87-26	1.2
52-110	0.1	73-120	0.5	87-31	1.9
52-116	0.3	74-1	1.1	87-32	0.5
73-76	0.5	74-30	1.5	87-106	0.4
73-78	1.1	74-31	1.5	89-19	1.6
73-81	1.6	86-1	1.4	89-20	2.5
73-86	1.5	86-51	0.3	89-31	0.4
73-87	0.4	86-52	0.4	89-42	1.6
73-88	0.6	86-101	2.3	89-45	0.7
73-90	1.0	86-102	2.3	89-52	1.8
73-93	2.3	86-103	0.9	89-57	1.4
73-105	1.5	86-104	0.4	89-65	0.9
73-109	1.6	86-105	0.8	89-118	0.2
73-110	1.1	86-106	0.6	89-119	0.7
73-111	1.0	86-107	2.3	89-121	0.2
73-112	1.1	86-111	0.3	89-126	0.6
73-114	1.7	86-112	0.3	94-50	0.5
73-115	0.7	86-116	0.6	94-51	0.8
73-117	0.6	86-117	0.4		
73-118	1.1	87-22	0.4		

ProjectArea

Existing Roads

- Main Roads
- Secondary Roads
- Local Roads
- Woods Roads

Other Treatments

- Plant Pine
- Underplant
- Prepare Site & Underplant
- RxBurn
- RxBurn & Plant Pine
- Non-comercial Thinning
- Timber Improvement
- Lakes
- Streams
- Forest Ownership

N

3877
2104
2321
2102
W
49-18
37-10
51-9
51-29
50-8
55-21
54-5
54-9
54-22
54-25
58-34
52-23
52-10
52-14
52-18
52-11
52-12
52-22
52-21

MH 8-23-12

Lakewood Southeast Project

Alternative 4 Harvest and Road Actions Map A

Lakewood - Laona Ranger District

Chequamegon - Nicolet National Forest

0 1 2 Miles

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ProjectArea

Road Actions
- Reconstruction
- Construction
- Decommission
- Close

Existing Roads
- Main Roads
- Secondary Roads
- Local Roads
- Woods Roads

HARVEST
- Clearcut
- Selection
- Shelterwood
- Special cut
- Thin
- Lakes
- Streams
- Forest Ownership

N

3877
2104
2321
2617
2310
2102
W
W

38-16 38-5 38-8 38-7 49-1 49-16 49-8 37-29 37-36 40-27 49-12 49-14 37-1 37-34 49-19 49-20 37-10 37-3 37-26 37-11 51-15 51-33 51-16 37-19 51-13 51-23 37-21 51-19 51-20 50-33 50-8 51-24 51-27 50-9 52-7 50-12 52-8 50-18 55-21 55-22 55-23 52-18 53-15 54-3 54-26 53-14 52-21 52-22 53-13 54-25 58-34 54-17 53-3 58-16

MH 8-16-12

Lakewood Southeast Project

Alternative 4 Other Treatment Map A

Lakewood - Laona Ranger District

Chequamegon - Nicolet National Forest

0 1 2 Miles

Stands Less Than Three Acres
Shown On Map without Labels

Stand ID	Acres	Stand ID	Acres
52-109	0.5	87-32	0.5
52-110	0.1	87-106	0.4
52-116	0.3	89-20	2.5
73-114	1.7	89-31	0.4
73-115	0.7	89-42	1.6
73-117	0.6	89-45	0.7
73-118	1.1	89-52	1.8
86-52	0.4	89-57	1.4
86-106	0.6	89-65	0.9
86-107	2.3	89-118	0.2
87-22	0.4	89-119	0.7
87-26	1.2	89-121	0.2
87-31	1.9	89-126	0.6

ProjectArea

Existing Roads

- Main Roads
- Secondary Roads
- Local Roads
- Woods Roads

Other Treatments

- Plant Pine
- Underplant
- Prepare Site & Underplant
- RxBurn
- RxBurn & Plant Pine
- Non-comercial Thinning
- Timber Improvement
- Lakes
- Streams
- Forest Ownership

N

3877
2330
2104
2321
2102
W
37-10
51-9
51-24
50-8
55-21
52-23
52-10
52-14
52-18
52-11
52-12
52-22
52-21
54-25
58-34
W

MH 8-24-12

Lakewood Southeast Project

Alternative 2 Harvest and Road Actions MapB

Lakewood - Laona Ranger District
Chequamegon - Nicolet National Forest

0 1 2 Miles

ProjectArea

Road Actions
- Reconstruction
- Construction
- Decommission
- Close

Existing Roads
- Main Roads
- Secondary Roads
- Local Roads
- Woods Roads

HARVEST
- Clearcut
- Selection
- Shelterwood
- Special cut
- Thin
- Forest Boundary
- Streams
- Lakes
- Forest Ownership

MH 2-21-12

N

2617 2309 2630 2893 W

Lakewood Southeast Project

Alternative 2 Other Treatment Map B

Lakewood - Laona Ranger District

Chequamegon - Nicolet National Forest

0 1 2 Miles

Stands Less Than Three Acres Shown On Map without Labels

Stand ID	Acres	Stand ID	Acres	Stand ID	Acres
52-109	0.5	73-117	0.6	87-22	0.4
52-110	0.1	73-118	1.1	87-26	1.2
52-116	0.3	73-119	0.7	87-31	1.9
73-76	0.5	73-120	0.5	87-32	0.5
73-78	1.1	86-1	1.4	87-106	0.4
73-81	1.6	86-51	0.3	89-19	1.6
73-86	1.5	86-52	0.4	89-31	0.4
73-87	0.4	86-101	2.3	89-42	1.6
73-88	0.6	86-102	2.3	89-45	0.7
73-90	1.0	86-103	0.9	89-52	1.8
73-93	2.3	86-104	0.4	89-57	1.4
73-105	1.5	86-105	0.8	89-65	0.9
73-109	1.6	86-106	0.6	89-118	0.2
73-110	1.1	86-107	2.3	89-119	0.7
73-111	1.0	86-111	0.3	89-121	0.2
73-112	1.1	86-112	0.3	89-126	0.6
73-114	1.7	86-116	0.6		
73-115	0.7	86-117	0.4		

ProjectArea

Existing Roads

- Main Roads
- Secondary Roads
- Local Roads
- Woods Roads
- Forest Boundary
- Lakes
- Streams

Other Treatments

- Plant Pine
- Underplant
- Prepare Site & Underplant
- RxBurn
- RxBurn & Plant Pine
- Non-comercial Thinning
- Timber Improvement
- Forest Ownership

N

MH 8-28-12

Lakewood Southeast Project

Alternative 3 Harvest and Road Actions Map B

Lakewood - Laona Ranger District

Chequamegon - Nicolet National Forest

0 1 Miles

ProjectArea

Road Actions
- Reconstruction
- Construction
- Decommission
- Close

Existing Roads
- Main Roads
- Secondary Roads
- Local Roads
- Woods Roads

HARVEST
- Clearcut
- Selection
- Shelterwood
- Special cut
- Thin
- Lakes
- Streams
- Forest Ownership

N

MH 8-16-12

2617 2309 2630 2303 2309 W

Lakewood Southeast Project

Alternative 3 Other Treatment Map B

Lakewood - Laona Ranger District

Chequamegon - Nicolet National Forest

0 1 2 Miles

Stands Less Than Three Acres Shown On Map without Labels

Stand ID	Acres	Stand ID	Acres	Stand ID	Acres
52-109	0.5	73-119	0.7	87-26	1.2
52-110	0.1	73-120	0.5	87-31	1.9
52-116	0.3	74-1	1.1	87-32	0.5
73-76	0.5	74-30	1.5	87-106	0.4
73-78	1.1	74-31	1.5	89-19	1.6
73-81	1.6	86-1	1.4	89-20	2.5
73-86	1.5	86-51	0.3	89-31	0.4
73-87	0.4	86-52	0.4	89-42	1.6
73-88	0.6	86-101	2.3	89-45	0.7
73-90	1.0	86-102	2.3	89-52	1.8
73-93	2.3	86-103	0.9	89-57	1.4
73-105	1.5	86-104	0.4	89-65	0.9
73-109	1.6	86-105	0.8	89-118	0.2
73-110	1.1	86-106	0.6	89-119	0.7
73-111	1.0	86-107	2.3	89-121	0.2
73-112	1.1	86-111	0.3	89-126	0.6
73-114	1.7	86-112	0.3	94-50	0.5
73-115	0.7	86-116	0.6	94-51	0.8
73-117	0.6	86-117	0.4		
73-118	1.1	87-22	0.4		

ProjectArea

Existing Roads

- Main Roads
- Secondary Roads
- Local Roads
- Woods Roads

Other Treatments

- Plant Pine
- Underplant
- Prepare Site & Underplant
- RxBurn
- RxBurn & Plant Pine
- Non-comercial Thinning
- Timber Improvement
- Lakes
- Streams
- Forest Ownership

N

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MH 8-23-12

Lakewood Southeast Project

Alternative 4 Harvest and Road Actions Map B

Lakewood - Laona Ranger District

Chequamegon - Nicolet National Forest

0 1 2 Miles

ProjectArea

Road Actions
- Reconstruction
- Construction
- Decommission
- Close

Existing Roads
- Main Roads
- Secondary Roads
- Local Roads
- Woods Roads

HARVEST
- Clearcut
- Selection
- Shelterwood
- Special cut
- Thin
- Lakes
- Streams
- Forest Ownership

N

MH 8-16-12

2617 2309 2630 2303 2055 2893

W

53-14 52-21 52-22 53-13 54-25 53-3 58-34 54-17 58-16 58-28 68-2 68-17 69-4 72-48 72-57 72-50 72-38 72-27 72-26 72-24 68-38 69-32 72-53 72-51 72-37 72-12 72-59 72-28 72-7 72-20 68-28 67-8 67-9 70-7 70-13 69-29 67-36 69-35 74-32 72-15 76-11 76-13 74-30 73-31 73-8 73-37 73-6 76-14 76-6 76-3 76-8 74-2 73-33 73-35 73-30 76-22 73-17 76-37 73-19 76-36 76-40 78-34 78-16 78-23 73-20 78-8 78-4 78-33 78-9 79-2 79-20 77-3 74-23 79-22 78-11 79-40 74-24 79-25 74-17 73-23 79-39 78-14 73-25 86-5 74-21 74-25 79-23 85-1

Lakewood Southeast Project

Alternative 4 Other Treatment Map B

Lakewood - Laona Ranger District

Chequamegon - Nicolet National Forest

0 1 2 Miles

Stands Less Than Three Acres
Shown On Map without Labels

Stand ID	Acres	Stand ID	Acres
52-109	0.5	87-32	0.5
52-110	0.1	87-106	0.4
52-116	0.3	89-20	2.5
73-114	1.7	89-31	0.4
73-115	0.7	89-42	1.6
73-117	0.6	89-45	0.7
73-118	1.1	89-52	1.8
86-52	0.4	89-57	1.4
86-106	0.6	89-65	0.9
86-107	2.3	89-118	0.2
87-22	0.4	89-119	0.7
87-26	1.2	89-121	0.2
87-31	1.9	89-126	0.6

ProjectArea

Existing Roads

- Main Roads
- Secondary Roads
- Local Roads
- Woods Roads

Other Treatments

- Plant Pine
- Underplant
- Prepare Site & Underplant
- RxBurn
- RxBurn & Plant Pine
- Non-comercial Thinning
- Timber Improvement
- Lakes
- Streams
- Forest Ownership

N

MH 8-24-12

Lakewood Southeast Project

Alternative 2 Harvest and Road Actions MapC

Lakewood - Laona Ranger District

Chequamegon - Nicolet National Forest

0 1 Miles

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ProjectArea

Road Actions

- Reconstruction
- Construction
- Decommission
- Close

Existing Roads

- Main Roads
- Secondary Roads
- Local Roads
- Woods Roads
- Forest Boundary
- Lakes
- Streams

HARVEST

- Clearcut
- Selection
- Shelterwood
- Special cut
- Thin
- Forest Ownership

MH 4-21-12

Lakewood Southeast Project

Alternative 2 Other Treatment Map C

Lakewood - Laona Ranger District

Chequamegon - Nicolet National Forest

0 1 2 Miles

Stands Less Than Three Acres Shown On Map without Labels

Stand ID	Acres	Stand ID	Acres	Stand ID	Acres
52-109	0.5	73-117	0.6	87-22	0.4
52-110	0.1	73-118	1.1	87-26	1.2
52-116	0.3	73-119	0.7	87-31	1.9
73-76	0.5	73-120	0.5	87-32	0.5
73-78	1.1	86-1	1.4	87-106	0.4
73-81	1.6	86-51	0.3	89-19	1.6
73-86	1.5	86-52	0.4	89-31	0.4
73-87	0.4	86-101	2.3	89-42	1.6
73-88	0.6	86-102	2.3	89-45	0.7
73-90	1.0	86-103	0.9	89-52	1.8
73-93	2.3	86-104	0.4	89-57	1.4
73-105	1.5	86-105	0.8	89-65	0.9
73-109	1.6	86-106	0.6	89-118	0.2
73-110	1.1	86-107	2.3	89-119	0.7
73-111	1.0	86-111	0.3	89-121	0.2
73-112	1.1	86-112	0.3	89-126	0.6
73-114	1.7	86-116	0.6		
73-115	0.7	86-117	0.4		

ProjectArea

Existing Roads

- Main Roads
- Secondary Roads
- Local Roads
- Woods Roads
- Forest Boundary
- Lakes
- Streams

Other Treatments

- Plant Pine
- Underplant
- Prepare Site & Underplant
- RxBurn
- RxBurn & Plant Pine
- Non-comercial Thinning
- Timber Improvement
- Forest Ownership

N

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MH 9-6-12

Lakewood Southeast Project

Alternative 3 Harvest and Road Actions Map C

Lakewood - Laona Ranger District

Chequamegon - Nicolet National Forest

0 1 Miles

ProjectArea

Road Actions
- Reconstruction
- Construction
- Decommission
- Close

Existing Roads
- Main Roads
- Secondary Roads
- Local Roads
- Woods Roads

HARVEST
- Clearcut
- Selection
- Shelterwood
- Special cut
- Thin
- Lakes
- Streams
- Forest Ownership

N

2308 2107 2309 2086 64

MH 7-30-12

Lakewood Southeast Project

Alternative 3 Other Treatment Map C

Lakewood - Laona Ranger District

Chequamegon - Nicolet National Forest

0 1 2 Miles

Stands Less Than Three Acres Shown On Map without Labels

Stand ID	Acres	Stand ID	Acres	Stand ID	Acres
52-109	0.5	73-119	0.7	87-26	1.2
52-110	0.1	73-120	0.5	87-31	1.9
52-116	0.3	74-1	1.1	87-32	0.5
73-76	0.5	74-30	1.5	87-106	0.4
73-78	1.1	74-31	1.5	89-19	1.6
73-81	1.6	86-1	1.4	89-20	2.5
73-86	1.5	86-51	0.3	89-31	0.4
73-87	0.4	86-52	0.4	89-42	1.6
73-88	0.6	86-101	2.3	89-45	0.7
73-90	1.0	86-102	2.3	89-52	1.8
73-93	2.3	86-103	0.9	89-57	1.4
73-105	1.5	86-104	0.4	89-65	0.9
73-109	1.6	86-105	0.8	89-118	0.2
73-110	1.1	86-106	0.6	89-119	0.7
73-111	1.0	86-107	2.3	89-121	0.2
73-112	1.1	86-111	0.3	89-126	0.6
73-114	1.7	86-112	0.3	94-50	0.5
73-115	0.7	86-116	0.6	94-51	0.8
73-117	0.6	86-117	0.4		
73-118	1.1	87-22	0.4		

ProjectArea

Existing Roads

- Main Roads
- Secondary Roads
- Local Roads
- Woods Roads

Other Treatments

- Plant Pine
- Underplant
- Prepare Site & Underplant
- RxBurn
- RxBurn & Plant Pine
- Non-comercial Thinning
- Timber Improvement
- Lakes
- Streams
- Forest Ownership

N

MH 8-23-12

Lakewood Southeast Project

Alternative 4 Harvest and Road Actions Map C

Lakewood - Laona Ranger District

Chequamegon - Nicolet National Forest

0 1 2 Miles

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ProjectArea

Road Actions
- Reconstruction
- Construction
- Decommission
- Close

Existing Roads
- Main Roads
- Secondary Roads
- Local Roads
- Woods Roads

HARVEST
- Clearcut
- Selection
- Shelterwood
- Special cut
- Thin
- Lakes
- Streams
- Forest Ownership

N

MH 8-16-12

Lakewood Southeast Project

Alternative 4 Other Treatment Map C

Lakewood - Laona Ranger District

Chequamegon - Nicolet National Forest

0 1 2 Miles

Stands Less Than Three Acres
Shown On Map without Labels

Stand ID	Acres	Stand ID	Acres
52-109	0.5	87-32	0.5
52-110	0.1	87-106	0.4
52-116	0.3	89-20	2.5
73-114	1.7	89-31	0.4
73-115	0.7	89-42	1.6
73-117	0.6	89-45	0.7
73-118	1.1	89-52	1.8
86-52	0.4	89-57	1.4
86-106	0.6	89-65	0.9
86-107	2.3	89-118	0.2
87-22	0.4	89-119	0.7
87-26	1.2	89-121	0.2
87-31	1.9	89-126	0.6

ProjectArea

Existing Roads

- Main Roads
- Secondary Roads
- Local Roads
- Woods Roads

Other Treatments

- Plant Pine
- Underplant
- Prepare Site & Underplant
- RxBurn
- RxBurn & Plant Pine
- Non-comercial Thinning
- Timber Improvement
- Lakes
- Streams
- Forest Ownership

N

MH 8-24-12

Lakewood Southeast Project

Alternative 2 Harvest and Road Actions MapD

Lakewood - Laona Ranger District

Chequamegon - Nicolet National Forest

0 1 2 Miles

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ProjectArea

Road Actions

- Reconstruction
- Construction
- Decommission
- Close

Existing Roads

- Main Roads
- Secondary Roads
- Local Roads
- Woods Roads

HARVEST

- Clearcut
- Selection
- Shelterwood
- Special cut
- Thin
- Forest Boundary
- Streams
- Lakes
- Forest Ownership

MH 2-21-12

N

32 64 2311 2111 2312 2308 2071 2069 2112 2107

Lakewood Southeast Project

Alternative 2 Other Treatment Map D

Lakewood - Laona Ranger District

Chequamegon - Nicolet National Forest

0 1 2 Miles

Stands Less Than Three Acres Shown On Map without Labels

Stand ID	Acres	Stand ID	Acres	Stand ID	Acres
52-109	0.5	73-117	0.6	87-22	0.4
52-110	0.1	73-118	1.1	87-26	1.2
52-116	0.3	73-119	0.7	87-31	1.9
73-76	0.5	73-120	0.5	87-32	0.5
73-78	1.1	86-1	1.4	87-106	0.4
73-81	1.6	86-51	0.3	89-19	1.6
73-86	1.5	86-52	0.4	89-31	0.4
73-87	0.4	86-101	2.3	89-42	1.6
73-88	0.6	86-102	2.3	89-45	0.7
73-90	1.0	86-103	0.9	89-52	1.8
73-93	2.3	86-104	0.4	89-57	1.4
73-105	1.5	86-105	0.8	89-65	0.9
73-109	1.6	86-106	0.6	89-118	0.2
73-110	1.1	86-107	2.3	89-119	0.7
73-111	1.0	86-111	0.3	89-121	0.2
73-112	1.1	86-112	0.3	89-126	0.6
73-114	1.7	86-116	0.6		
73-115	0.7	86-117	0.4		

ProjectArea

Existing Roads

- Main Roads
- Secondary Roads
- Local Roads
- Woods Roads
- Forest Boundary
- Lakes
- Streams

Other Treatments

- Plant Pine
- Underplant
- Prepare Site & Underplant
- RxBurn
- RxBurn & Plant Pine
- Non-comercial Thinning
- Timber Improvement
- Forest Ownership

N

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MH 9-6-12

Lakewood Southeast Project

Alternative 3 Harvest and Road Actions Map D

Lakewood - Laona Ranger District

Chequamegon - Nicolet National Forest

0 1 Miles

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ProjectArea

Road Actions
- Reconstruction
- Construction
- Decommission
- Close

Existing Roads
- Main Roads
- Secondary Roads
- Local Roads
- Woods Roads

HARVEST
- Clearcut
- Selection
- Shelterwood
- Special cut
- Thin
- Lakes
- Streams
- Forest Ownership

N

MH 8-16-12

Lakewood Southeast Project

Alternative 3 Other Treatment Map D

Lakewood - Laona Ranger District

Chequamegon - Nicolet National Forest

0 1 2 Miles

Stands Less Than Three Acres Shown On Map without Labels

Stand ID	Acres	Stand ID	Acres	Stand ID	Acres
52-109	0.5	73-119	0.7	87-26	1.2
52-110	0.1	73-120	0.5	87-31	1.9
52-116	0.3	74-1	1.1	87-32	0.5
73-76	0.5	74-30	1.5	87-106	0.4
73-78	1.1	74-31	1.5	89-19	1.6
73-81	1.6	86-1	1.4	89-20	2.5
73-86	1.5	86-51	0.3	89-31	0.4
73-87	0.4	86-52	0.4	89-42	1.6
73-88	0.6	86-101	2.3	89-45	0.7
73-90	1.0	86-102	2.3	89-52	1.8
73-93	2.3	86-103	0.9	89-57	1.4
73-105	1.5	86-104	0.4	89-65	0.9
73-109	1.6	86-105	0.8	89-118	0.2
73-110	1.1	86-106	0.6	89-119	0.7
73-111	1.0	86-107	2.3	89-121	0.2
73-112	1.1	86-111	0.3	89-126	0.6
73-114	1.7	86-112	0.3	94-50	0.5
73-115	0.7	86-116	0.6	94-51	0.8
73-117	0.6	86-117	0.4		
73-118	1.1	87-22	0.4		

ProjectArea

Existing Roads

- Main Roads
- Secondary Roads
- Local Roads
- Woods Roads

Other Treatments

- Plant Pine
- Underplant
- Prepare Site & Underplant
- RxBurn
- RxBurn & Plant Pine
- Non-comercial Thinning
- Timber Improvement
- Lakes
- Streams
- Forest Ownership

N

MH 8-23-12

Lakewood Southeast Project

Alternative 4 Harvest and Road Actions Map D

Lakewood - Laona Ranger District

Chequamegon - Nicolet National Forest

0 1 2 Miles

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ProjectArea

Road Actions
- Reconstruction
- Construction
- Decommission
- Close

Existing Roads
- Main Roads
- Secondary Roads
- Local Roads
- Woods Roads

HARVEST
- Clearcut
- Selection
- Shelterwood
- Special cut
- Thin
- Lakes
- Streams
- Forest Ownership

N

MH 8-16-12

Lakewood Southeast Project

Alternative 4 Other Treatment Map D

Lakewood - Laona Ranger District
Chequamegon - Nicolet National Forest

0 1 2 Miles

Stands Less Than Three Acres
Shown On Map without Labels

Stand ID	Acres	Stand ID	Acres
52-109	0.5	87-32	0.5
52-110	0.1	87-106	0.4
52-116	0.3	89-20	2.5
73-114	1.7	89-31	0.4
73-115	0.7	89-42	1.6
73-117	0.6	89-45	0.7
73-118	1.1	89-52	1.8
86-52	0.4	89-57	1.4
86-106	0.6	89-65	0.9
86-107	2.3	89-118	0.2
87-22	0.4	89-119	0.7
87-26	1.2	89-121	0.2
87-31	1.9	89-126	0.6

ProjectArea

Existing Roads
- Main Roads
- Secondary Roads
- Local Roads
- Woods Roads

Other Treatments
- Plant Pine
- Underplant
- Prepare Site & Underplant
- RxBurn
- RxBurn & Plant Pine
- Non-comercial Thinning
- Timber Improvement
- Lakes
- Streams
- Forest Ownership

N

MH 8-24-12

MA	A	B	C	Resource	S&G Code
F-W				Water	G1
F-W				Water	S1
F-W				Water	G2
F-W				Water: Riparian	S2
F-W				Water	G3
F-W				Water: Wetlands	S3
F-W				Water	G4
F-W				Wildlife and Fish: F	S4
F-W				Water	G5
F-W				Wildlife and Fish: A	S5
F-W				Water: Riparian	G6
F-W				Federal T and E: E	S6
F-W				Water: Riparian	G7

F-W				Federal T and E: E	S7
F-W				Water: Riparian	G8
F-W				Federal T and E: W	S8
F-W				Water: Riparian	G9
F-W				Federal T and E: F	S9
F-W				Water: Riparian	G10
F-W				RFSS	S10
F-W				Water: Riparian	G11
F-W				NNIS	S11
F-W				Water: Riparian	G12
F-W				Recreation	S12
F-W				Water: Wetlands	G13
F-W				Recreation	S13
F-W				Water: Wetlands	G14
F-W				Recreation: OHV	S14
F-W				Soils	G15
F-W				Recreation: OHV	S15
F-W				Soils	G16
F-W				Recreation: OHV	S16
F-W				Soils	G17

F-W				Recreation: OHV	S17
F-W				Soils	G18
F-W				Recreation: OHV	S18
F-W				Soils	G19
F-W				Motorized Trails	S19
F-W				Minerals	G20
F-W				Motorized Trails	S20
F-W				Biological Diversity	G21
F-W				Motorized Trails	S21
F-W				Biological Diversity	G22
F-W				Motorized Trails	S22
F-W				Biological Diversity	G23
F-W				Motorized Trails	S23
F-W				Biological Diversity	G24
F-W				Motorized Trails	S24
F-W				Biological Diversity	G25
F-W				Administration	S25
F-W				Biological Diversity	G26
F-W				Administration	S26
F-W				Biological Diversity	G27

F-W				Administration	S27
F-W				Temporary Opening	G28
F-W				Transportation: Dec	S28
F-W				Temporary Opening	G29
F-W				Transportation: Dec	S29
F-W				Temporary Opening	G30
F-W				Temporary Opening	G31
F-W				Temporary Opening	G32
F-W				Rotation Lengths	G33
F-W				Rotation Lengths	G34
F-W				Regeneration	G35
F-W				Regeneration	G36
F-W				Regeneration	G37
F-W				Salvage	G38
F-W				Silv: Aspen	G39
F-W				Silv: Aspen	G40
F-W				Silv: Aspen	G41
F-W				Silv: Aspen	G42
F-W				Silv: Aspen	G43
F-W				Silv: Aspen	G44
F-W				Silv: Aspen	G45

F-W				Silv: Paper Birch	G46
F-W				Silv: Paper Birch	G47
F-W				Silv: Paper Birch	G148
F-W				Silv: Paper Birch	G49
F-W				Silv: Paper Birch	G50
F-W				Silv: N Hardwoods	G51
F-W				Silv: N Hardwoods	G52
F-W				Silv: N Hardwoods	G53
F-W				Silv: N Hardwoods	G54
F-W				Silv: N Hardwoods	G55
F-W				Silv: N Hardwoods	G56
F-W				Silv: N Hardwoods	G57
F-W				Silv: N Hardwoods	G58
F-W				Silv: N Hardwoods	G59
F-W				Silv: N Hardwoods	G60

F-W				Silv: N Hardwoods	G61
F-W				Silv: N Hardwoods	G62
F-W				Silv: N Hardwoods	G63
F-W				Silv: N Hardwoods	G64
F-W				Silv: N Hardwoods	G65
F-W				Silv: N Hardwoods	G66
F-W				Silv: N Hardwoods	G67
F-W				Silv: N Hardwoods	G68
F-W				Silv: N Hardwoods	G69
F-W				Silv: N Hardwoods	G70
F-W				Silv: N Hardwoods	G71
F-W				Silv: N Hardwoods	G72
F-W				Silv: N Hardwoods	G73
F-W				Silv: Red Oak	G74
F-W				Silv: Red Oak	G75
F-W				Silv: Red Oak	G76
F-W				Silv: Red Oak	G77
F-W				Silv: Red Oak	G78
F-W				Silv: Red Oak	G79
F-W				Silv: Red Oak	G80
F-W				Silv: Red Oak	G81
F-W				Silv: Red Pine	G82
F-W				Silv: Red Pine	G83
F-W				Silv: Red Pine	G84
F-W				Silv: Red Pine	G85
F-W				Silv: Red Pine	G86

F-W				Silv: Red Pine	G87
F-W				Silv: Jack Pine	G88
F-W				Silv: Jack Pine	G89
F-W				Silv: Jack Pine	G90
F-W				Silv: Jack Pine	G91
F-W				Silv: Jack Pine	G92
F-W				Silv: Jack Pine	G93
F-W				Silv: Balsam Fir	G94
F-W				Silv: Balsam Fir	G95
F-W				Silv: Balsam Fir	G96
F-W				Silv: Balsam Fir	G97
F-W				Silv: White Pine	G98
F-W				Silv: White Pine	G99
F-W				Silv: White Pine	G100
F-W				Silv: White Pine	G101
F-W				Silv: White Pine	G102
F-W				Silv: White Pine	G103
F-W				Silv: White Pine	G104
F-W				Silv: White Pine	G105
F-W				Silv: White Pine	G106
F-W				Silv: White Pine	G107
F-W				Silv: White Pine	G108
F-W				Silv: White Spruce	G109
F-W				Silv: White Spruce	G110
F-W				Silv: White Spruce	G111
F-W				Silv: White Spruce	G112
F-W				Silv: Mixed Lowland	G113
F-W				Silv: Mixed Lowland	G114

F-W				Silv: Mixed Lowland	G115
F-W				Special Forest Prod	G116
F-W				Special Forest Prod	G117
F-W				Wildlife and Fish: R	G118
F-W				Wildlife and Fish: R	G119
F-W				Wildlife and Fish: R	G120
F-W				Wildlife and Fish: R	G121
F-W				Wildlife and Fish: R	G122
F-W				Wildlife and Fish: R	G123
F-W				Wildlife and Fish: W	G124
F-W				Wildlife and Fish: W	G125
F-W				Wildlife and Fish: W	G126
F-W				Wildlife and Fish: W	G127
F-W				Wildlife and Fish: W	G128
F-W				Wildlife and Fish: P	G129
F-W				Wildlife and Fish: P	G130
F-W				Wildlife and Fish: P	G131
F-W				Wildlife and Fish: P	G132
F-W				Wildlife and Fish: P	G133
F-W				Wildlife and Fish: P	G134
F-W				Wildlife and Fish: P	G135

F-W				Wildlife and Fish: P	G136
F-W				Wildlife and Fish: P	G137
F-W				Wildlife and Fish: P	G138
F-W				Wildlife and Fish: P	G139
F-W				Wildlife and Fish: P	G140
F-W				Wildlife and Fish: P	G141
F-W				Wildlife and Fish: P	G142
F-W				Wildlife and Fish: P	G143
F-W				Wildlife and Fish: U	G144
F-W				Wildlife and Fish: U	G145
F-W				Wildlife and Fish: U	G146
F-W				Wildlife and Fish: U	G147
F-W				Wildlife and Fish: U	G48
F-W				Wildlife and Fish: U	G149
F-W				Wildlife and Fish: U	G150
F-W				Wildlife and Fish: U	G151
F-W				Wildlife and Fish: F	G152
F-W				Wildlife and Fish: F	G153

F-W				Wildlife and Fish: F	G154
F-W				Wildlife and Fish: F	G155
F-W				Wildlife and Fish: F	G156
F-W				Wildlife and Fish: F	G157
F-W				Wildlife and Fish: A	G158
F-W				Wildlife and Fish: A	G159
F-W				Wildlife and Fish: A	G160
F-W				Wildlife and Fish: A	G161
F-W				Wildlife and Fish: A	G162
F-W				Wlidlife and Fish: H	G163
F-W				Wlidlife and Fish: H	G164
F-W				Wlidlife and Fish: H	G165
F-W				Wlidlife and Fish: H	G166
F-W				Wlidlife and Fish: H	G167
F-W				Wlidlife and Fish: C	G168
F-W				Wlidlife and Fish: C	G169
F-W				Wlidlife and Fish: C	G170
F-W				Wlidlife and Fish: C	G171
F-W				Wlidlife and Fish: C	G172
F-W				Wlidlife and Fish: C	G173
F-W				Federal T and E: E	G174
F-W				Federal T and E: E	G175

F-W				Federal T and E: W	G176
F-W				Federal T and E: W	G177
F-W				RFSS	G178
F-W				RFSS	G179
F-W				RFSS: N Blue Butte	G180
F-W				RFSS: W Virginia W	G181
F-W				RFSS: Henrys Elfin	G182
F-W				RFSS: Chryxus Arti	G183
F-W				RFSS: Tawny Cres	G184
F-W				RFSS: N Goshawk, red-shouldered hawk	G185
F-W				RFSS: N Goshawk, red-shouldered hawk	G186
F-W				RFSS: N Goshawk, red-shouldered hawk	G187
F-W				RFSS: N Goshawk, red-shouldered hawk	G188
F-W				RFSS: N Goshawk, red-shouldered hawk	G189
F-W				RFSS: N Goshawk	G190
F-W				RFSS: LeConte's S	G191
F-W				RFSS: Swainson's	G192
F-W				RFSS: Swainson's	G193
F-W				RFSS: CT Warbler	G194
F-W				RFSS: Black Tern	G195
F-W				RFSS: Black Tern	G196
F-W				RFSS: Trumpeter S	G197

F-W				RFSS: Trumpeter S	G198
F-W				RFSS: Spruce Grou	G199
F-W				RFSS: Sharp-tailed	G200
F-W				RFSS: Blacked Bac	G201
F-W				RFSS: Marten	G202
F-W				RFSS: Marten	G203
F-W				RFSS: Wood Turtle	G204
F-W				RFSS: Wood Turtle	G205
F-W				RFSS: Dragonflies	G206
F-W				RFSS: Mussels	G207
F-W				RFSS: Dwarf Bilber	G208
F-W				RFSS: Dwarf Bilber	G209
F-W				RFSS: Dwarf Bilber	G210
F-W				RFSS: Dwarf Bilber	G211
F-W				RFSS: Dwarf Bilber	G212
F-W				RFSS: Dwarf Bilber	G213
F-W				RFSS: Ginseng	G214
F-W				RFSS	G215
F-W					G216
F-W				RFSS	G217
F-W				RFSS	G218
F-W				RFSS	G219
F-W				RFSS	G220

F-W				RFSS	G221
F-W				RFSS	G222
F-W				RFSS	G223
F-W				RFSS	G224
F-W				RFSS	G225
F-W				Forest Health	G226
F-W				Forest Health	G227
F-W				Fire	G228
F-W				Fire	G229
F-W				Fire	G230
F-W				Fire	G231
F-W				Fire	G232
F-W				Fire	G233
F-W				NNIS	G234
F-W				NNIS	G235
F-W				NNIS	G236
F-W				NNIS	G237
F-W				Forest Health	G238
F-W				Forest Health	G239
F-W				Recreation	G240
F-W				Recreation	G241
F-W				Recreation	G242
F-W				Recreation	G243

F-W				Recreation	G244
F-W				Recreation	G245
F-W				Recreation	G246
F-W				Recreation	G247
F-W				Recreation	G248
F-W				Recreation	G249
F-W				Recreation	G250
F-W				Recreation	G251
F-W				Recreation: OHV	G252
F-W				Recreation: OHV	G253
F-W				Motorized Trails	G254
F-W				Motorized Trails	G255
F-W				Motorized Trails	G256
F-W				Motorized Trails	G257
F-W				Motorized Trails	G258
F-W				Motorized Trails	G259
F-W				Heritage	G260
F-W				Heritage	G261
F-W				Heritage	G262
F-W				Heritage	G263

F-W				Scenery: High SIO	G264
F-W				Scenery: High SIO	G265
F-W				Scenery: High SIO	G266
F-W				Scenery: High SIO	G267
F-W				Scenery: High SIO	G268
F-W				Scenery: High SIO	G269
F-W				Scenery: High SIO	G270
F-W				Scenery: High SIO	G271
F-W				Scenery: High SIO	G272
F-W				Scenery: High SIO	G273
F-W				Scenery: High SIO	G274
F-W				Scenery: Moderate	G275
F-W				Scenery: Moderate	G276
F-W				Scenery: Moderate	G277
F-W				Scenery: Moderate	G278
F-W				Scenery: Moderate	G279
F-W				Scenery: Moderate	G280
F-W				Scenery: Moderate	G281
F-W				Scenery: Moderate	G282
F-W				Scenery: Moderate	G283
F-W				Scenery: Moderate	G284
F-W				Scenery: Low SIO	G285
F-W				Scenery: Low SIO	G286
F-W				Scenery: Low SIO	G287
F-W				Scenery: Low SIO	G288
F-W				Scenery: Low SIO	G289
F-W				Scenery	G290
F-W				Scenery	G291

F-W				Scenery: Permaner	G292
F-W				Scenery: Permaner	G293
F-W				Scenery: Utilities	G294
F-W				Scenery: Utilities	G295
F-W				Scenery: Utilities	G296
F-W				Scenery: Utilities	G297
F-W				Scenery: Utilities	G298
F-W				Scenery: Reforesta	G299
F-W				Scenery: Reforesta	G300
F-W				Scenery: Timber	G301
F-W				Scenery: Timber	G302
F-W				Scenery: Timber	G303
F-W				Scenery: Timber	G304
F-W				Scenery: Timber	G305
F-W				Scenery: Temporar	G306
F-W				Scenery: Temporar	G307

F-W				Scenery: Temporar	G308
F-W				Scenery: Shorelines	G309
F-W				Scenery: Shorelines	G310
F-W				Scenery: Shorelines	G311
F-W				Scenery: Shorelines	G312
F-W				Scenery: Shorelines	G313
F-W				Administration	G314
F-W				Administration	G315
F-W				Administration	G316
F-W				Administration	G317
F-W				Administration	G318
F-W				Administration	G319
F-W				Administration	G320
F-W				Administration	G321
F-W				Administration	G322
F-W				Special Uses	G323
F-W				Special Uses	G324
F-W				Special Uses	G325
F-W				Special Uses	G326
F-W				Administration	G327
F-W				Transportation: Hig	G328
F-W				Transportation: Hig	G329
F-W				Transportation: Hig	G330
F-W				Transportation: Hig	G331

F-W				Transportation: Hig	G332
F-W				Transportation: Hig	G333
F-W				Transportation: Hig	G334
F-W				Transportation: Hig	G335
F-W				Transportation: Hig	G336
F-W				Transportation: Hig	G337
F-W				Transportation: Hig	G338
F-W				Transportation: Hig	G339
F-W				Transportation: Hig	G340
F-W				Transportation: Mo	G341
F-W				Transportation: Mo	G342
F-W				Transportation: Mo	G343
F-W				Transportation	G344
F-W				Transportation: Dec	G345
F-W				Transportation: Dec	G346
F-W				Transportation: Dec	G347
F-W				Transportation: Dec	G348
F-W				Transportation: Dec	G349

F-W				Transportation: Dec	G350
F-W				Transportation: Dec	G351
F-W				Transportation: Dec	G352
F-W				Transportation: Dec	G353
F-W				Transportation: Dec	G354
F-W				Transportation: Dec	G355
F-W				Transportation: Dec	G356
F-W				Transportation: Dec	G357
F-W				Roads: Timber	G358
F-W				Roads: Timber	G359
F-W				Roads: Timber	G360
F-W				Roads: Timber	G361
F-W				Roads: Timber	G362
F-W				Roads: BMPs	G363
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Forest plan direction for Lakewood Southeast

Text from forest plan that apply to Lakewood Southeast Project
Maintain water quality by following guidelines contained in "Wisconsin's Forestry Best Management Practices for Water Quality," (BMPs), March 1995 edition (or subsequent revisions). D3 and D7
Maintain minimum in-stream flows at 25% of base flows or that flow determined from a site specific analysis using commonly accepted in-stream flow methods.
Utilize the "Wisconsin Construction Site Best Management Practices Handbook" as well as the "Best Management Practices for Erosion and Sedimentation Control," (Federal Highway Administration) for guidance on limiting sedimentation.
Design and maintain roads and trails in riparian areas or other locations that could affect water quality, in accordance with Wisconsin's Forestry Best Management Practices. Road and trail surfaces within these areas will be stabilized with aggregate or other suitable material when being used during non-frozen conditions. D4
Ensure revegetation of log landings after project activities are completed, either through artificial means or natural
Protect hydrologic function and maintain natural hydrologic regimes. D5
Utilize Wisconsin's Forestry BMPs to maintain soil productivity, infiltration rates and minimize road maintenance costs.
Maintain a minimum of 80% shrub or tree shade (where present) around ground water seeps within cool and cold water
Design and implement stream restoration measures that apply natural channel design principles and/or are consistent with ecological conditions and floodplain characteristics.
Aspen patches will not be regenerated within 450 feet of selected Class I, II, and segments of Class III trout streams including their tributaries and spring ponds (see Appendix DD for a list of streams). Aspen patches will also not be regenerated within 300 feet of all other Class I and II trout streams including their tributaries and spring ponds. Manage vegetation within these zones for species other than aspen, preferably long-lived conifers and northern hardwoods. D1 and D2
Do not pile slash within or move slash into riparian areas. Keep slash out of lakes, stream channels, floodplains, and areas where it may be swept into streams, rivers, and lakes. D5
Retain restrictions as described in the "Northern States Bald Eagle Recovery Plan" (1983) within 330 feet of the former nest tree site (when a nest disappears, but the tree remains, or other suitable nesting structures are nearby), as long as the bald eagle breeding area is occupied. If the nest tree blows down, and no suitable replacement trees are nearby, all restrictions can be removed.
Utilize Wisconsin's Forestry Best Management Practices (BMPs) for riparian management zone categories. Expand riparian management zones wider than those defined in Wisconsin's Forestry BMPs and modify management practices where necessary (e.g., projects on steep slopes and/or highly erodible soils).

Remove restrictions in the area beyond 330 feet when a nest is classified as a remnant (i.e., a nest unmaintained and unoccupied for five consecutive years).
Protect warm and cold-water streams from sedimentation by maintaining the physical integrity of intermittent and non-navigable streams, i.e., streams that do not appear on 1:24,000 topographic maps to ensure their continued function when
Protect wolf den and rendezvous sites by utilizing the following direction contained in the "Wisconsin Timber Wolf Recovery Plan" (1999): (1) Protect wolf den sites (verified by wildlife biologists) and key rendezvous sites as determined by surveys, that have been used within the last two years; (2) Utilize a year-round restriction on land use activities (including tree harvest and road construction) within 330 feet of a wolf den or rendezvous site (human uses of the area will be passively discouraged, and existing trails and logging roads will be closed or rerouted); and (3) within one-half mile of a wolf den or rendezvous site, land use activities such as tree harvest, road construction and maintenance, and mineral core drilling exploration will be prohibited between March 1 and July 31. New road and trail construction will not be permitted within this zone. Roads and trails under Forest Service jurisdiction will be closed on a case-by-case basis.C3
Lessen channel scour by gradually lowering water surfaces 25-50% prior to removing beaver dams. When there is a high risk of downstream widening or scouring, draw the entire pond down gradually
Protect and manage all known plant sites utilizing Fassett's Locoweed Recovery Plan (1991) direction. All land use activities (except population monitoring and those activities necessary to protect the site) will be excluded from water's edge to the high-water mark and within a buffer zone 200 feet inland from the high-water mark for locoweed populations.
Provide and maintain conifer thermal cover within riparian areas.
Do not allow the collection of RFSS plants, except for scientific or educational purposes, or for the conservation or propagation of the species. Collection must be authorized by a Forest Service permit.
Avoid stream and wetland crossings and riparian areas when constructing new roads and trails.D4
Use permissible mechanical, biological, and chemical controls to reduce the spread of non-native invasive species. E1
Relocate existing roads and trails out of riparian areas and eliminate stream crossings where practicable. Otherwise, construct or reconstruct roads, trails and associated stream crossings to minimize erosion, sedimentation and riparian impacts. Design culverts and bridges to pass the estimated 100-year flood. D4
Prohibit horse and mountain bike use of trails during spring breakup (timing determined locally by spring conditions each
Utilize guidelines found in Wisconsin's Forestry BMPs to maintain water quality and hydrologic wetland functions during activities such as timber harvesting or road and trail construction.
Prohibit any net increase in motorized vehicle access to lakes, with the exception of access associated with lakes in new land acquisitions. If roaded access is provided to a lake that is not a new acquisition and previously did not have such access, another lake on the forest will have roaded access removed.
Minimize fill and maintain cross road drainage when wetland road and trail crossings cannot be avoided.
Automobiles, trucks, and other street legal vehicles must remain on roads open to the public for motorized use, or on trails designated for use by specific motorized vehicles.
Use R9 directive for Chapter 2 of Forest Service Handbook 2509.18 to define detrimental disturbance threshold values for soil displacement, erosion, rutting, nutrient loss, compaction, burning, and maintaining ground cover.
Permit all-terrain vehicles (*see definitions in Appendix EE*) only on roads and trails that are posted open and designated for
Retain logging slash in place (limbing at the stump) where topsoil is less than one inch thick, or where organic matter is less
Permit all-terrain vehicle use on designated ATV trails and designated ATV road routes year-round except as follows: Routes located on classified roads that are closed to general vehicle use will be closed to ATV use during spring break up with timing determined locally by spring conditions each year.
Minimize topsoil displacement into piles or windrows when machine piling slash and debris.

Permit all-terrain vehicle use on designated ATV trails and designated ATV road routes year-round except as follows: Routes located on classified roads that are open to general vehicle use will be closed to ATVs when local townships/counties have
Designate the location of roads, trails, landings, main skid trails, and similar soil disturbing activities. Stabilize disturbed sites during use and revegetate after use to control erosion. B1
Permit all-terrain vehicle use on designated ATV trails and designated ATV road routes year-round except as follows: Trails will be closed during spring break upwith timing determined locally by spring conditions each year.
Operate heavy equipment only when soils are not saturated or when the ground is frozen. B4
Do not locate new motorized trails or routes over State of Wisconsin navigable waters when alternative locations are feasible. This requirement does not apply to snowmobile trails that are routed over frozen surface waters.
Minerals activities within 100-500 feet of RFSS plant sites will be limited to practices that maintain habitat (including micro-
Do not locate new motorized trails or routes through wetlands when alternative locations are feasible. This requirement does not apply to snowmobile trails that cross wetlands under frozen conditions (without the use of fill). If a new trail or route must be located within a wetland, alternatives to earthen fill must be considered.
Promote and maintain long-lived conifer super canopy trees, especially white pine.
Install adequately sized culverts (or other appropriate drainage structures) and appropriate erosion control measures where motorized trails or routes cross navigable and non-navigable streams. This requirement does not apply to snowmobile trails that cross streams under frozen conditions.
Maintain stand level ecosystem components, patterns, and pit and mound microtopography.
New, replacement, and reconstructed trail bridges must have closed-slat or similar running surfaces that prevent the deposit of trail sediment and debris in waterways.
Allow botanical collections of voucher and herbaria specimens.
All-terrain vehicles that operate on Forest trails and routes must be registered with the State of Wisconsin (or meet requirements for registration if the owner is a non-resident), and have a Forest Service approved spark arrestor.
Regenerate white pine on appropriate sites within red and white pine ecosystems in locations of large-scale blow downs, through prescribed fire, seeding, or planting.
Snowmobiles and all-terrain vehicles operating on Chequamegon-Nicolet National Forest trails and routes shall meet all sound attenuation requirements defined in Wisconsin statutes. Snowmobiles and all-terrain vehicles operating on Forest trails or routes shall not be modified in any manner that amplifies or otherwise increases total noise emissions above the noise emission levels of originally manufactured machines. Such modifications may be allowed as part of a special event under special use permit.
Avoid modifying microclimate and microhabitat conditions within steep ravines, cliffs, talus slopes, and areas of exposed
Specific land management allocations and designations are not intended to affect Tribes' treaty-guaranteed hunting, fishing, and gathering rights.
Design management activities adjacent to research natural areas, special management areas, and old growth areas to complement their ecological values.
Land adjustments (land purchase or exchange) must satisfy one or more of the following purposes: (1) Accomplish objectives of public laws or regulations; (2) Meet demand for national forest resources; (3) Result in more efficient land ownership patterns; and / or (4) Result in lower resource management costs.
Manage vegetation within utility right of way corridors, where permitted, to support landscape level ecological goals including wildlife populations and habitat.

Prohibit disturbing the surface of existing sites with engineered cover containment systems, such as capped landfills, and thereby avoid exposing the public to potential contamination. Mineral exploration and extraction, the construction of buildings and utility transmission corridors, the installation of water supply wells, and other potentially intrusive work are prohibited. Gate or otherwise close access to the public for these sites to prevent disturbing the integrity of the cap.
Temporary openings will not exceed 40 acres in size except: Within Management Areas 4C and 8C.
Decommission classified and unclassified roads that are closed to motorized traffic and identified as not needed for long-term
Temporary openings will not exceed 40 acres in size except: As a result of natural catastrophic occurrences such as fire, insect and disease attack, or wind storm.
Decommission all temporary roads upon completion of authorized use. B3
Temporary openings will not exceed 40 acres in size except: To benefit Connecticut Warbler within jack pine habitats.
A stand is considered a temporary opening if the average crown closure is less than 20% or the regeneration averages less
Within areas other than those listed above, separate two or more openings with a total area exceeding 40 acres by manageable stands at least 10 acres in size with an average width of at least 500 feet.
Table 2-1(page 2-4) lists the minimum, standard, and extended rotation lengths for various forest types. Rotation age will be determined by the capability of a site. As a general rule the standard rotation ages will be used except in Management Areas 2B, 3B, 4B and 6B where the extended rotation ages will be used.
The above minimum rotation age guidelines may be waived for stands that have been significantly affected by fire, windthrow, insect, or disease attack or other similar natural disturbance forces. Some stands may also be harvested before minimum or after extended rotation ages when site capability, and/or site-specific analysis indicates it would be best for meeting overall multiple use objectives.
Use tree seedlings or seed where seed source is known and produced from seed collected within the climatic zone in which they will be planted.
Plant conifers at a minimum seedling density of 680 seedlings per acre in open areas, except plant white pine at 900 seedlings per acre within open areas.
Use natural regeneration whenever feasible.
Leave 5-15% of potential timber salvage unharvested following large disturbance events (greater than 100 acres), except in salvage situations that are high risk to human safety and/or forest health.
Manage aspen under the even-aged silvicultural system.
Aspen desired age class distribution (see table 2-2 on page 2-5)
Harvest aspen during the dormant season where the aspen species is desired and aspen totals less than 40 square feet of basal area in the stand.
Site preparation for natural aspen regeneration should reduce the site's average residual crown cover (2" in diameter or larger) to less than 5% (excluding reserve islands) within all Management Areas except 1B, 2A, and 2B. The average residual crown cover for site preparation for aspen regeneration with Management Areas 1B, 2A, and 2B (in instances where aspen is to be maintained) is allowed to approach 10% (excluding reserve islands).
Consider thinning aspen stands only if the site index is greater than 70 or if conversion to other species is desired. Thin aspen stands only once at about age 30, leaving a residual basal area of 60-80 square feet.
Do not apply treatments that support an increase in beaver populations adjacent to northern white-cedar stands.
Avoid clearcutting aspen adjacent to areas where white pine or hemlock regeneration is present or desired.

Manage paper birch under an even-aged silvicultural system. Use the two-cut shelterwood harvest method to regenerate paper birch. Harvesting and site preparation should provide: (1) 25% to 40% residual crown cover (initial harvest); (2) Full tree skidding opportunities if site preparation will be done after the initial harvest; (3) Scarification or prescribed fire to expose mineral soil and mix with organic and humus material on 50-75% of the area (the more paper birch regeneration desired, the greater the intensity of disturbance); (4) Site preparation after leaf fall so that seeds are mixed with, or fall on mineral soil; (5) Control of competing vegetation; and (6) Overstory removal during the winter and within two years of the establishment of regeneration (seedlings should be at least one foot tall).
Paper birch desired age class distribution: (see table 2-3 on page 2-6)
Notify the Great Lakes Indian Fish and Wildlife Commission (GLIFWC) about potential bark gathering opportunities when identifying paper birch for harvest.
Consider thinning paper birch stands only when the site index exceeds 60, the objective is to grow sawtimber, and the stand has reached 40 years of age. Thin from below to a residual basal area of 80-100 square feet per acre. Improve spacing and favor the highest quality trees. Consider the potential for an increase in susceptibility to insects, disease, and mechanical damage when paper birch thinning is planned.
Prioritize the harvest of declining paper birch stands, consistent with management area direction and other resource needs.
Do not harvest yellow birch within the northern hardwood ecosystem unless its density must be lowered to facilitate recommended residual basal area, its regeneration is facilitated with canopy gaps, nurse logs, and/or planting, and sufficient seed source remains to take advantage of regeneration opportunities.
Retain butternut trees with more than 70% live crown, and when cankers affect less than 20% of the combined circumference of the bole and root flares. Retain butternut trees that have no cankers and at least 50% live crown. Dead or poor vigor
Maintain shade on and around large boulders, 10 feet in diameter and larger, by not establishing canopy gaps near them.
Utilize uneven-aged management prescriptions to develop stands that have at least three distinct age classes.
Initial cuts in pole-sized hardwood stands should combine a crop tree release of 50-60 crop trees per acre with the creation of regeneration canopy gaps. Trees removed are generally high risk, have poor stem quality, and/or provide growing space for
Between canopy gaps, thin to the minimum stocking levels shown in Figures FF-1, FF-2 or FF-3 in Appendix FF, when converting from even-age northern hardwoods to uneven-aged northern hardwood management . These figures are based on maintaining at least an 80% crown closure. Exception to this guideline: Initial thinnings in northern hardwood stands result in a crown closure of 75-80%. Tree crowns in these stands close in within a few years.
Create four to eight 25 to 40-foot wide canopy gaps per acre by harvesting groups of pole-sized trees or 1-2 large-crowned trees. The percentage of area in canopy gaps is a function of the harvest interval (longer harvest intervals should have a higher percentage of canopy gaps as a general rule). Create a maximum of one, 60-foot canopy gap for every two acres, where maintenance of mid-tolerant species composition is desired (the 60-foot gap replaces some of the 25 to 40-foot gaps). The addition of the larger gap will reduce the number of smaller gaps to 3-6 per acre.
Cut poor-quality stems larger than one inch in diameter in canopy gaps so vigorous regeneration can develop.
After the initial improvement or selection harvest, periodically apply selection harvests that work toward the size class distribution shown in Tables 2-4 or 2-5. Create canopy gaps by harvesting large enough groups of trees to obtain successful regeneration in younger stands where crown sizes are small to moderate in size.
Specify post-harvest stocking levels for various size classes in prescriptions. The following tables show the ideal size distribution for fully regulated uneven-aged northern hardwood stands (these tables will be used to guide the development of harvest prescriptions): (See tables 2-4 and 2-5 on page 2-8). The target distribution displayed in Table 2-5 will normally be applied for uneven-aged hardwood sites within Management Areas 2B, 3B, 4B, and 6B; while distribution displayed in Table 2-4 will generally be used for uneven-aged hardwoods in other MAs. Reserve tree numbers, as described in MA direction, Chapter 3, are included in the desired size class structure displayed in tables 2-4 and 2-5. These tables may be modified for project level decisions, as long as the intent of the management area prescription is met.

Reserve hemlock in northern hardwood prescriptions. The following are exceptions to this guideline: (1) Hemlock trees may be cut if they impede road or skid trail development, and (or) safety problems are improved; and (2) On the Medford land base, (LTAs 212Xd05 and 212Xe05) thinning of hemlock clumps within northern hardwood stands (greater than 10% hemlock) is allowed when there is established hemlock regeneration, or hemlock regeneration efforts are planned within or adjacent to these clumps. Where hemlock regeneration is established, it will be protected and encouraged through site-specific protection measures.
Maintain an 80% crown closure in order to avoid light level changes that result in soil temperature increases, and humidity and soil moisture decreases. See initial thinning crop tree release guidance for exceptions to this guideline.
Avoid converting rich northern hardwood sites to other forest types.
Consider even-aged management only when species composition will exceed 30% for intolerant species such as paper birch and mid-tolerant species such as basswood, ash, hickory, yellow birch, red oak, butternut, and black cherry.
Even-aged hardwoods desired age class distribution: (see table 2-6 on page 2-9).
Do not intentionally create canopy gaps in even-aged northern hardwood managed stands.
Use stocking level charts FF-1, FF-2, or FF-3 in Appendix FF to establish minimum stocking levels during vegetative
Initial thinnings in pole-sized stands should emphasize crown release, removal of high-risk trees, and removal of sub-canopy trees until the minimum stocking level is reached.
First thinning in pole-sized stands should include a crown release of 60-75 crop trees per acre.
Maintain an 80% crown closure when thinning stands that have not had a previous pole-sized thinning.
Regenerate stands using a shelterwood harvest that establishes a uniform crown closure of approximately 60%.
Apply a shelterwood overstory removal harvest when northern hardwood regeneration is 2-4 feet tall (usually within 5 years).
Encourage crown release and thinning of stump sprouts in seedling and sapling stands.
Manage red oak stands under an even-aged silvicultural system using thinning and shelterwood harvesting methods.
Red oak desired age class distribution: (see table 2-7 on page 2-9).
Manage red oak for sawtimber when the site index is greater than 55. Manage oak (normally northern pin oak) for pulpwood when the site index is less than 55.
Reduce gypsy moth impacts by avoiding the development of pure red oak stands. Grow red oak with a mix of other mid to intolerant tree species such as white ash, paper birch, and red pine.
Limit harvesting or pruning in the red oak group to the period between October 1 and April 15 to reduce risk of oak wilt
Obtain a residual basal area between 70 and 90 square feet in intermediate harvests. Harvesting should improve spacing, favor the development of quality crop trees, and maintain within stand diversity.
Use mechanical scarification or prescribed fire to control understory competition and prepare a seedbed for natural regeneration when advanced regeneration is not present.
Regenerate red oak using a shelterwood system that leaves 40 to 60% crown cover (large crowns, good form, and uniform spacing). Remove the overstory when red oak regeneration is two to four feet tall.
Utilize an even-aged silvicultural prescription for managing red pine.
Red pine desired age class distribution: (see Table 2-8 on page 2-10)
Evaluate the potential for *Sirococcus* and *Sphaeropsis* shoot blights when considering red pine regeneration techniques. Do not retain residual red pine where shoot blights are likely to be a problem and red pine regeneration is being planned.
Conduct the first commercial thinning when operable red pine stand volumes are available. Thereafter, red pine thinnings should occur every 7-15 years. Do not remove more than 40% of the basal area (except the first thinning). Thin to the following residual basal areas: (see table 2-9 on page 2-10)
Consider silvicultural treatments such as shelterwood harvest patches, release, scarification, and underplanting to encourage future mast, den, or nest trees where within stand diversity is lacking. Limit these activities to no more than 5% of the total

Manage natural origin red pine to its maximum rotation age (see Table 2-1).
Utilize an even-aged silvicultural prescription for managing jack pine.
Jack pine desired age class distribution: (see table 2-10, page 2-11)
Harvest of declining jack pine stands is a high priority.
Regenerate jack pine by clearcut harvesting followed by natural or artificial reforestation. Consider the genetic quality of existing jack pine stands when deciding whether to use natural or artificial reforestation methods.
Do precommercial thinning only if stocking levels exceed 2,000 seedlings or saplings per acre.
Commercial thinning is not recommended but may be considered when the site index exceeds 60 and a residual basal area of about 80 square feet is retained.
Utilize an even-aged silvicultural prescription for managing balsam fir.
Balsam fir desired age class distribution: (see table 2-11 on page 2-11)
When balsam fir is the objective, and where it has developed advanced understory regeneration, remove the overstory when the understory is in the seedling/sapling stage.
Where opportunities exist, alternate balsam fir and aspen forest types on the same site over time.
Utilize an even-aged silvicultural prescription for managing white pine.
White pine desired age class distribution: (see table 2-12 on page 2-12). **White pine is sometimes grown in an understory situation. The forest type is whatever the overstory is at the time. Release usually occurs at 15-20 years of age.*
Begin intermediate thinnings as soon as operable volumes are available. Thin at 10-15 year intervals to a residual basal area between 100 and 150 square feet per acre (70%-90% crown closure).
Use a two-cut shelterwood system (seed cut and removal cut) to regenerate white pine stands at rotation age. The seed cut should retain a residual crown cover of 40-70%. Use the lower level when competition from low shade is not expected. Conduct site preparation immediately prior to or after the seed cut to: (1) scarify 35-50% of the area (mixing humus and mineral soil); and (2) remove undesirable and unmerchantable trees. Removal harvest should occur when regeneration is about 20-25 foot tall.
When establishing white pine: Plant white pine with blister rust resistance.
When establishing white pine: Retain a crown closure of about 40% in underplanted white pine stands until the overstory is
When establishing white pine: Remove overstory when saplings are 20-25 feet tall.
When establishing white pine: Underplant white pine at a minimum of 100 seedlings per acre (20-foot spacing) for species diversity and at a minimum of 435 per acre (10-foot spacing) for stand replacement.
Accomplish blister rust pathological pruning when trees are in the seedling/sapling stage (3-10 feet tall).
Manage natural origin red pine to its maximum rotation age (see Table 2-1).
Utilize deer protection such as fencing, shelters, or repellants when planting in areas where seer populations have the potential to cause significant browsing damage.
Manage white spruce under an even-aged silvicultural system using intermediate thinnings, and either final harvest or shelterwood harvest followed by artificial or natural regeneration.
White spruce desired age class distribution: (see table 2-13 on page 2-13). **White spruce is sometimes grown in an understory situation. The forest type is whatever the overstory is at the time. Release usually occurs at 5-20 years of age.*
Maintain a crown cover between 50% and 70% when frost damage protection for artificial or natural regeneration is needed, such as upland/lowland transition areas or landscape depressions. Remove the overstory when frost damage is no longer a
Begin thinnings as soon as operable volumes are available. Thin at 10-20 year intervals to a residual basal area of between 100 and 120 square feet per acre. Do not remove more than 40% of the basal area in any single harvest.
Harvest lowland conifers, lowland hardwoods, and hemlock only to benefit or maintain habitat for species of viability concern.
Plant no more than 500 seedlings per acre when attempting to develop or improve hemlock composition in other forest types.

Do not attempt natural or artificial hemlock regeneration within deer yards unless protection measures such as fencing are
Utilize a permit system, except as defined by agreement with Native American tribes, to specify what special forest product species and quantities may be gathered and what harvest/gathering locations are authorized.
Gathering special forest products for personal use and (or) commercial sale is permitted throughout much of the Forest, except for the following: (1) Collecting species on the list of Regional Forester Sensitive Species for the Chequamegon-Nicolet National Forests, except by permit for Tribal gathering or scientific purposes; (2) Peat mining or collecting sphagnum moss. Permits may be issued for gathering sphagnum moss for scientific purposes; (3) Gathering special forest products within wetlands , Forest Service recreation areas, administrative sites or within 100 feet of perennial water bodies (exception: the collection of fruits, nuts, berries, and fungi for personal use, or unless permitted for tribal gathering); (4) Gathering boughs, Christmas trees, birch bark, and firewood within 100 feet of trails that have high scenic integrity objectives; and (5) Additional restrictions on gathering special forest products listed within the Standards and Guidelines of some Management Areas.
Leave and protect existing downed logs greater than 10 inches in diameter (small end diameter) consistent with providing for management access (e.g. skid trails).
Exclude heavy logging equipment from wet areas, excessively steep slopes, or reserved areas within timber harvest units.
Reserve tree guidelines for even-aged managed stands: Emphasize diversity, cover and (or) mast by reserving tree species such as hemlock, northern white cedar, white pine, red oak, American beech, hickory, ironwood, blue beech, yellow birch, paper birch and other species that may not have strong local or forest wide representation.
Reserve tree guidelines for even-aged managed stands: Reserve the above-listed tree species in small clumps or islands of trees within clearcuts, overstory removal cuts, and other regeneration harvest areas.
Reserve tree guidelines for even-aged managed stands: Reserve 2 to 5 live trees per acre greater than 11 inches in diameter, or select the largest trees available; and reserve variable size reserve islands/clumps that total up to ½ acre for every 10 acres managed with an even aged harvest.
Reserve snag guidelines for even-aged and uneven-aged managed stands: Reserve all dead snags and live den trees up to 10 trees/snags per acre, unless they present a safety concern. Emphasize the largest snags and den trees available. Those snags felled for safety reasons should be left on site as coarse woody debris wherever possible. Additional snags will be recruited from live reserve trees.
Coordinate wild rice seeding site selection with Native American tribes.
Avoid fragmenting shallow water marshes, or large wetlands containing open water, with corridors used for power lines, roads,
Limit water level fluctuations to less than one foot during the growing season on bodies of water where wild rice occurs and where the Forest Service is able to manipulate water levels.
Perpetuate emergent vegetation such as cattails, sedges, and bulrushes by minimizing the frequency of reservoir and low head impoundment drawdowns.
Protect hydrologic functions and maintain hydrologic regimes.
Ephemeral ponds smaller than one acre: Do not operate heavy equipment in woodland ponds.
Ephemeral ponds smaller than one acre: Locate landings and roads to avoid erosion and the contribution of sediment into
Ephemeral ponds smaller than one acre: Do not allow logging slash in woodland ponds. However, selected trees may be dropped and left in ponds where large woody debris would enhance aquatic habitat.
Ephemeral ponds smaller than one acre: Prohibit the operation of heavy equipment during non-frozen conditions within 15 feet of the normal high water mark.
Ephemeral ponds larger than one acre: Do not operate heavy equipment in woodland ponds.
Ephemeral ponds larger than one acre: Locate landings and roads to avoid erosion and the contribution of sediment into
Ephemeral ponds larger than one acre: Do not allow logging slash in woodland ponds. However, selected trees may be dropped and left in ponds where large woody debris would enhance aquatic habitat.

Ephemeral ponds larger than one acre: Prohibit the operation of heavy equipment during non-frozen conditions within 15 feet of the normal high water mark.
Ephemeral ponds larger than one acre: Do not clearcut within 50 feet of the normal high water mark of these ponds. Individual tree timber harvesting may be done within this zone if there is an emphasis on retaining shade trees and large diameter cavity and nest trees adjacent to the pond.
Permanent woodland ponds smaller than one acre: Do not operate heavy equipment in woodland ponds.
Permanent woodland ponds smaller than one acre: Locate landings and roads to avoid erosion and the contribution of sediment into woodland ponds.
Permanent woodland ponds smaller than one acre: Do not allow logging slash in woodland ponds. However, selected trees may be dropped and left in ponds where large woody debris would enhance aquatic habitat.
Permanent woodland ponds smaller than one acre: Prohibit the operation of heavy equipment during non-frozen conditions within 15 feet of the normal high water mark.
Permanent woodland ponds smaller than one acre: Do not clearcut within 50 feet of the normal high water mark of these where they are uncommon (less than one per 10 acres). Where they are common, do not clearcut within 50 feet of at least one-third of the ponds. Individual tree timber harvesting can be done within this zone if there is an emphasis on retaining shade trees and large diameter cavity and nest trees adjacent to the pond.
Permanent woodland ponds larger than one acre: Use “Wisconsin’s Forestry Best Management Practices for Water Quality” (1995 or subsequent revisions) including Riparian Management Zone direction, for guidance on protection.
Temporary openings within ruffed grouse management areas will be 10-acre patches or less.
Provide for an average of one ruffed grouse drumming log for every 10 acres of aspen clearcut. The log should be 10 inches or more in diameter and at least 12 feet long.
Construct artificial nest and den structures from materials that blend with the site and do not detract from the natural landscape. Concentrate these structures in the most productive habitat (based on field inventories). Monitor and maintain these structures to minimize threats from insects, disease, competitors, and predators.
Small permanent forest openings will be located in upland areas and will generally range in size from one to 10 acres. Maintain brush or shrub openings so that no more than 50% of the area is covered by woody vegetation such as hazel, chokecherry, willow, unless the area is being managed for a specific purpose requiring such cover. These areas include remnant or restored barrens communities, frost pockets, and other natural openings.
Constructed openings should be at least 200 feet in diameter, have irregular shapes, and blend with the surrounding
Use mechanical methods (mowing, disking, hand brushing, chaining, girdling), prescribed fire, or biological means to restore and maintain selected openings to prevent natural succession to woody plants.
Use native species when planting supplemental mast or fruit-bearing trees or other shrubs for wildlife habitat improvement.
Allow natural conversions of upland open areas to forested conditions where open habitat exceeds management area acreage goals. Do not convert natural openings to tree plantations.
Manage riparian areas so that they contribute large woody debris (LWD) to lakes, ponds, rivers, and streams. LWD characteristics include: (1) At least 10 to 30 pieces per 1,000 feet of shoreline adjacent to uplands, and at least 5 to 20 pieces per 1,000 feet of shoreline adjacent to forested lowlands; (2) Most pieces greater than 12 inches in diameter and some resistant to decay; (3) Many pieces in lakes with strong branches on the boles which hold part of the wood off the bottom; (4) LWD length should be at least 50 to 120 feet long in lakes and wide streams, or a length that is 1 to 2 times bankfull width in narrow-medium width streams (i.e. less than 50 ft wide). D9
Restore or enhance habitat complexity in lake habitat manipulation projects by using a variety of wooden cover structures (e.g., fish cribs, tree-drops and half-logs) and rock reef placements.

Simulate a natural appearance in aquatic habitat improvement tree drops by having variable distances between them. Stumps should either be flush cut or angled away from the lake, river, or stream. Bury tree drop holding attachments where possible.
Reshape the bank and smooth contours when revegetating exposed streambanks. Partially cover stabilization structures with transplanted native vegetation and revegetate with native species suited for site stabilization. Vary the rock size and utilize native rock for riprap and within water rock structures. Maintain natural lake edges and stream meanders when making shoreline and within stream improvements.
Design, construct, and maintain stream crossings and dams to minimize disrupting the migration or movement of fish and other aquatic life. Passage may be blocked for a prescribed fish management procedure or if passage is deemed unnecessary.
Do not remove in-stream large woody debris for more than one-half the stream channel width when removal is necessary for recreational boating or canoeing.
Convert from aspen to long-lived conifers and northern hardwoods within 300 feet of all Class I and II trout streams (and their tributaries including spring ponds) and 450 feet of “selected” Class I, Class II, and segments of Class III trout streams and their tributaries including spring ponds (See Appendix DD for a list of selected streams).
Protect and restore coldwater stream communities by maintaining some Class I and II trout streams and their tributaries in a free flowing condition through beaver and beaver dam removal. Streams listed in Appendix DD will be considered first.
Control beaver and remove beaver dams as needed to protect ecologically sensitive areas (e.g., old growth, wild rice, and northern white cedar) and capital improvements (e.g., roads, recreation areas, and buildings) from flooding.
Maintain at least one representative of each narrow stream valley segment type (bankfull width less than 20 feet) without artificial dams or beaver impoundments to maintain free-flowing riparian and aquatic communities associated with each type.
Maintain beaver populations and their works (dams, lodges, food caches, etc.) except when there are adverse effects on important resource values such as cold water fisheries, rare plants, road and trail systems, and ecosystems susceptible to flooding and cutting.
Close roads and trails under Forest Service jurisdiction within 1,320 feet of a heron nest site to vehicular traffic between March 15 and August 1 unless no feasible alternatives exist and use can be justified.
When a heron colony becomes inactive for three consecutive years, restrictions on land use activities can be removed.
Maintain beaver ponds as potential heron and other wildlife habitat where the ponds are not adversely impacting critical
All land use activities will be excluded within 330 feet of active heron colonies, unless existing activities appear to have been in place before herons began to use the site.
Land use activities that make no significant change in the landscape are permitted within the 330 to 660 foot zone around a great blue heron colony. Activities such as thinning, permanent opening maintenance, and pruning, may occur from August 1 to March 15. Clearcutting, land clearing, and construction activities will not be permitted within this zone.
All land use activities will be excluded from 0 to 330 feet from active osprey nests.
Land use activities, which make no significant change in the landscape, will be permitted within the 330 to 660 foot zone around an osprey nest. Activities such as thinning, permanent opening maintenance, and pruning, may occur from August 1 to March 15. Clearcutting, land clearing, and construction activities will not be permitted within this zone.
Site disturbing land use activities will not be permitted within a zone 660 to 1320 feet from an osprey nest from March 15 to
All land use activities will be excluded within 0 to 330 feet of active osprey nests, unless existing activities appear to have been in place before ospreys began to use the site.
Land use activities can be permitted after an osprey nest becomes inactive for three consecutive years.
Place and maintain artificial platforms to provide secure osprey nest sites where natural sites are lacking or nests have fallen
Close or relocate roads and trails (under Forest Service jurisdiction) within 1,320 feet of a nest site to vehicular traffic between February 15 and August 1. Waive this requirement only if no feasible alternatives exist and use can be justified.
Reserve known roosting, perching, and potential nest trees within active bald eagle breeding areas.

Do not exceed existing densities of roads open to public vehicles within active wolf territories. This requirement also applies within areas that have a Wisconsin Department of Natural Resources Probability Index of 50 or above, and applies to permanent roads that require routine maintenance and are accessible year-round by two-wheeled drive vehicles (Forest Service Maintenance Level 5, 4, 3, and possibly some Level 2 roads). See “Recovery Plan for the Eastern Timber Wolf,” 1992; and the “Wisconsin Wolf Management Plan,” 1999.
Do not upgrade roads beyond existing Maintenance Levels within active wolf territories (or areas with a probability index
Vegetation management within 100 to 500 feet of RFSS plant and animal sites will be limited to practices that maintain or enhance habitat and micro-habitat conditions. Animal sites are defined as active nest, active den, or evidence of breeding
Prohibit domestic livestock grazing, and restrict recreation activities as needed within the 100 to 500 foot distance from an
In the area(s) where the northern blue butterfly tends to congregate in roads, accomplish road maintenance that maintains good road crowns so butterfly puddling on the road itself is rare. Roads or motorized trails developed or reconstructed in this area will be designed for good drainage to decrease water collection on road surfaces.
Protect known locations for toothwort (*Cardamine diphylla*), and maintain at least 80% canopy crown cover over and extending at least 100 feet from the perimeter of known toothwort sites. Avoid isolating toothwort populations from larger
Burn no more than 50% of the host plant area annually within Moquah Barrens, Riley Lake, or other large areas of potential
Protect known locations of chryxus arctic butterfly from disturbance such as prescribed burning. Reevaluate the need for protecting individual colonies if at least ten colonies are located.
Minimize disturbance at sites known to support tawny crescent butterfly populations. Limit prescribed burning in areas that support this species to no more than 50% of habitat annually.
Protect active and historic nest sites. Within an area of at least 30 acres surrounding nest site(s), land use activities will be limited to those that do not reduce canopy closure or are necessary to protect the nest site for as long as the territory or stand is suitable habitat. No timber harvest will occur within the buffer area. Human disturbance will be minimized within the buffer from February 15 to August 1. C1
Within a minimum of 330 feet of the designated 30-acre buffer area: Do not use even-aged management. C1
Within a minimum of 330 feet of the designated 30-acre buffer area:Emphasize at least 80% crown closure with not more than 4 canopy gaps per acre up to 40 feet in diameter.
Close roads and trails under Forest Service jurisdiction to vehicular traffic within 330 feet of a nest site from February 15 to August 1 unless no feasible alternatives exist and use can be justified. C1
Conduct surveys for these species prior to projects being implemented within potential habitat areas.
Goshawk take will be by permit only.
Maintain and restore needed sedge and shrub components in sedge meadows larger than 40 acres.
Protect Swainson’s thrush nesting activities from May 15 - August 1 by prohibiting disturbance within stands with known nest
Encourage a conifer understory where Swainson’s thrush is present within stands of high quality potential habitat.
Harvest jack pine in blocks of 100 or more acres where possible.
Maintain impoundment and flowage water levels and avoid disturbance within one-quarter mile of active black tern nests between May 1 and July 15.
Emphasize purple loosestrife eradication on water bodies with active black tern colonies.
Maintain adequate impoundment water levels from April 15 to July 15 (no drawdowns), if breeding pairs are present.

Do not permit land use activities, such as timber harvest, recreational development, and construction within 1,320 feet of an active trumpeter swan nest site from April 15 to July 15.
Emphasize a mosaic of jack pine / spruce habitat in an array of age classes from regenerating to mature, including lowland spruce patches in areas of historic and known spruce grouse populations. Management activities will help provide an extensive and continual supply of dense stands of short-needled conifers with live branches 0 to 13 feet above the ground.
Expand available habitat by providing temporary openings adjacent or close to large open areas with known sharp-tailed
Maintain a dead conifer habitat component across the landscape to provide feeding and nesting sites for black-backed
Within areas determined to be occupied by marten (see Glossary for definition of American Marten occupied areas) do the following: Leave 15-25% of potential timber salvage unharvested following large disturbance events (greater than 100 acres) except in salvage situations determined high risk to human safety and/or forest health.
Within areas determined to be occupied by marten (see Glossary for definition of American Marten occupied areas) do the following: Incorporate Management Area 2B Reserve Tree Guidelines (Chapter 3) relative to tree numbers and diameters to even and uneven-age managed stands, where existing tree diameters allow.
Protect known communal wood turtle nesting sites from predator impacts, where feasible, and protect from site disturbance due to construction, or recreation use impacts. C2
Streambank stabilization projects must protect wood turtle nesting sites. Utilize the following mitigation measures: (1) Reshape the bank and smooth contours when revegetating exposed streambanks; (2) Partially cover stabilization structures with sod and revegetate with species similar to those growing on the adjacent bank; (3) Vary the rock size and utilize native rock for rip rap and within-water rock structures; and (4) Maintain natural lake edges and stream meanders when making shoreline and within-stream improvements.
Perform instream work (where sediment disturbance could occur) after June 30th at documented sites of the Extra-striped Snaketail Dragonfly, Pygmy Snaketail Dragonfly, or Green-faced Clubtail dragonfly.
Relocate live mussel specimens, at documented species concentration sites (mussel beds), to similar habitat upstream from instream excavation project areas.
Remove overshadowing trees and shrubs in and around northern blue butterfly breeding habitat (emphasize hand cutting).
Create connecting corridors between dwarf bilberry populations where feasible.
Use habitat manipulation and revegetation (planting or seeding if necessary) to create new dwarf bilberry populations.
Cut and/or burn areas adjoining northern blue butterfly breeding habitat when expanding dwarf bilberry populations.
Do not spray *Bacillus thuringiensis* (BT) in the vicinity of dwarf bilberry populations.
Do not burn more than 25% of the total number of openings containing dwarf bilberry colonies per year and avoid burning bilberry colonies within them.
Prohibit wild ginseng harvesting on national forest land except as provided by tribal agreements.
RFSS Plant Species Found in Aquatic Habitats: Do not create new motorized access to lakes with documented RFSS plant
RFSS Plant Species Found in Aquatic Habitats: Avoid removing beaver dams in streams that are occupied by Hill's
RFSS Plant Species Found in Riparian Habitats: Use Wisconsin's Forestry Best Management Practices (1995 or subsequent revisions) for riparian management zones.
RFSS Plant Species Found in Open Wetland Habitats: Maintain natural hydrologic regimes and limit runoff and sedimentation caused by adjacent area management activities within known plant habitat.
RFSS Plant Species Found in Open Wetland Habitats: Limit travel by vehicles and/or equipment to frozen ground conditions in known RFSS plant habitat.
RFSS Plant Species Found in Dry, Early Successional Habitats: Avoid direct mechanical disturbance to plant sites except under frozen conditions. Note: In addition to protection, these species may require some form of active management, or disturbance such as timber harvest or prescribed fire, to maintain viability.

RFSS Plant Species Found in Cliff and Exposed Rock Habitats: Avoid direct mechanical disturbance of known sites and do not encourage recreational activity that disturbs these habitats.
RFSS Plant Species Found in Forested Wetland Habitats: Do not manipulate habitat in a manner that encourages an increase in beaver habitat adjacent to RFSS plant sites.
RFSS Plant Species Found in Forested Wetland Habitats: Protect hydrologic functions and maintain natural hydrologic
RFSS Plant Species Found in Forested Wetland Habitats: Prohibit permanent or temporary openings within 100-500 feet of identified plant sites.
RFSS Plant Species Found in Upland Hardwood Habitats: Protect dense bryophyte mats (moss, liverworts, and hornwarts) in areas considered highly suitable for *Asplenium trichomanes* (areas of calcareous soil and rocks).
Manage short-lived pioneer species at rotations that minimize susceptibility to catastrophic events such as large fires and insect outbreaks. Exceptions are made for areas specifically managed or influenced by natural disturbances.
Give preference to mixtures of species and age classes over monocultures and large areas of a single age class. This is especially important in northern hardwoods where sugar maple can dominate a landscape.
Allow selected wildfire areas to regenerate naturally within fire-dependent ecosystems.
Consider a range of fuel treatment options that include but are not limited to: commercial timber sales, other utilization methods, mechanical treatment, fuel break construction, and prescribed fire.
Introduce diversity into the prescribed burning regime by lengthening burn intervals, allowing fuels and topography to determine intensity, and varying the seasons when prescribed burning is applied.
Use both natural and prescribed fire to maintain non-forested upland ecosystems or to set back succession for species of
Allow natural disturbance mechanisms and prescribed fire to create early seral stage areas or open canopy conditions in lowland conifer habitat.
Focus fuels reduction activities within the urban interface and the areas surrounding the communities at risk.
Reduce the importation and movement of non-native invasive plant species across the Forests by taking the following actions: Avoid the placement of log landings in areas infested with non-native invasive plant species. E3
Reduce the importation and movement of non-native invasive plant species across the Forests by taking the following actions: Consider non-native invasive plant species treatment when planning prescribed burn projects in areas of heavy weed
Reduce the importation and movement of non-native invasive plant species across the Forests by taking the following actions: Minimize the need for prescribed burn area fire lines and soil disturbance by using existing barriers where possible. E4
Reduce the importation and movement of non-native invasive plant species across the Forests by taking the following actions: Utilize staging areas and helispot facilities (for prescribed burning) that are free of non-native invasive plant species. E3
Emphasize species diversity, age class distribution, stand density (stocking) levels, and suitable site / species matches when managing vegetation for resistance to pest outbreaks.
Pest management will tier to the 1986 (or latest revision) “Gypsy Moth Management in the United States: a cooperative approach” Final Environmental Impact Statement and Record of Decision.
Some new campsites may be added to existing campgrounds.
Recreation facility rehabilitation should be undertaken in the following priority: (1) Correct health and safety problems; (2) Protect the environment; (3) Improve accessibility; (4) Changing camp unit design for efficient administration; and (5)
Utilize the following criteria when evaluating developed sites for closure: (1) High unit operating costs; (2) High deferred maintenance costs; (3) Less than 25% of practical maximum capacity use within two preceding years; (4) Public concerns; (5) Able to satisfy demand at alternative locations; (6) Resource damage; and (7) strategic change to meet regional tourism goals
Improve degraded remote campsites by adding items such as gravel, fire rings, wilderness toilets, and picnic tables. Close remote campsites when use is causing significant resource damage and funds are not available to repair the site.

Limit the number of remote campsites on lakes, rivers, streams, and other concentration points when site use exceeds the design capacity as determined in a project analysis (NEPA) and decision.
Improve some boat landings to minimize resource impacts or improve customer convenience where fully surfaced access roads (graveled, paved, or concrete) already exist.
Construct new boat landings only on lakes where: (1) Fully surfaced roads (graveled, paved, concrete) already exist within 300 feet of the lake; (2) No other public access points exist; and (3) Private or national forest developments already exist on at
Trail management and accessibility should be compatible with the area recreation opportunity spectrum class.
Maximize the placement of horse and mountain bike trails in upland (dry) areas, and minimize the number of water crossings by these trails (streams, wetlands, and riparian areas).
Rehabilitate forest trails and (or) adjacent areas impacted by resource management activities.
Manage and maintain the North Country and Ice Age Trails primarily for hiking and backpacking.
Follow guidelines in the publication “North Country National Scenic Trail - A Handbook for Trail Design, Construction, and Maintenance” when maintaining or constructing additional hiking trails and support structures.
Restrict snowmobiles to routes and trails posted open and designated for their use. In addition, snowmobiles may travel on normally unplowed, open roads when snow accumulations exceed four inches.
Allow off-road vehicle use, such as ATV or snowmobile, for individuals to access their private property by special use permit, when such use would cause less damage than full-size vehicles. Use of all-terrain vehicles to access private land within designated Wilderness and recommended Wilderness Study Areas is not permitted.
Feature Complexes.
Do not locate new motorized trails or routes adjacent to Wilderness, Proposed Wilderness, or Semi-Primitive Non-Motorized areas unless such a location is the best feasible relocation of a trail from inside the area.
Use existing corridors for new all-terrain vehicle, snowmobile, and other off-road vehicle routes wherever possible.
Provide multiple motorized recreation uses on motorized trails when ground conditions permit and the uses are compatible. Caution signs should provide sufficient warning to visitors that several motorized activities may be taking place on the trail simultaneously. Single use trails may connect to multiple use trails.
See Map Packet)..
Avoid (when possible) wetlands, riparian areas, stream crossings, sustained grades of 5% or more, and highly erodible soils (silt cap, sand, etc.) when designing new all-terrain vehicle trail systems, relocating existing motorized trail segments, or considering the designation of roads as all-terrain vehicle routes. Where such locations cannot be avoided, consider stabilizing the trail tread and ensuring adequate drainage. Give priority to relocating trail segments that cause erosion, and a degradation of water quality and other resources.
Utilize the “Programmatic Guide regarding the Operation Maintenance and Development of the Heritage Program” of 1999 or as revised (Programmatic Guide) for guidelines on survey, protection, evaluation, interpretation, personnel certification and mitigation for the heritage resources program.
Human remains and any associated objects must remain in place when they are discovered through project work, natural forces, or vandalism. Subsequent actions should be conducted in accordance with direction found in the “Programmatic
Complete heritage resource surveys and document any required protective mitigation measures prior to project implementation. Decision documents must display required mitigation measures and evidence of compliance with applicable
When heritage resources are discovered during Forest Service project implementation, all activities within the vicinity of the discovery area will cease until a professional archaeologist has made an on-site assessment of the discovery, and has consulted with SHPO, ACHP, and other interested parties regarding possible treatment alternatives. A

State and county highways, Forest Service scenic byways, designated travel routes to campgrounds and other major recreation use areas, and roads that border established Wilderness areas and designated Wilderness study areas.
The North Country National Scenic Trail (WI State Trail), the Ice Age National Scenic Trail (WI State Scenic Trail), hiking trails within Semi-Primitive Non-Motorized areas (except hunter walking trails), and hiking trails within ½ mile of campgrounds.
Campgrounds and designated trailheads and parking areas (the high SIO zone is 600 feet wide around the perimeter of these
All natural lakes and selected impoundments 10 acres and larger in size, all wild and scenic rivers, and rivers that are normally canoeable and have a history of high recreation use.
Maintain minimal evidence of forest management activities.
Locate temporary openings at least 200 feet from roads (except high speed highways), trails, recreation use areas, and water
In temporary openings made in jack pine, consider the following: Retain red and white pine trees.
In temporary openings made in jack pine, consider the following: Create a savannah appearance as seen from sensitive travelways in lieu of limiting size of temporary openings.
In temporary openings made in jack pine, consider the following: If not counter to reforestation needs, time mechanical treatments to achieve reduction of slash height and to encourage bracken fern and other vegetation to cover slash material.
Temporary openings adjacent to high-speed highways (55 miles per hour speed limits) should be no more than 130 feet long (along the road), should be separated by a minimum distance of 500 feet, and should occupy no more than 400 feet of each
Use Table 2-5 guidance when harvesting northern hardwoods within high SIO areas (see Uneven-aged Management of
Maintenance level 5 and 4 arterial and collector roads that are listed and mapped as Moderate in the Forest SIO Map.
All non-motorized trails not included in the high SIO category (except hunter walking trails and trails designed specifically for mountain bike use).
All developed recreation sites not included in the high SIO category (e.g., boat landings and trailheads), and remote campsites on lakes and canoeable rivers.
All canoeable rivers not included in high SIO category.
Forest management activities are moderately evident.
Locate temporary openings: At least 100 feet from the perimeter or edge of recreation use areas, such as campgrounds and trail heads, and canoeable rivers.
Locate temporary openings: No more than a 300-foot distance of temporary opening will be allowed along roads and trails. Such openings will be separated by a minimum distance of 500 feet and will occupy no more than 1,056 feet of each mile of
In temporary openings made in jack pine, consider the following: Retain red and white pine trees.
In temporary openings made in jack pine, consider the following: Create a savannah appearance as seen from sensitive travelways in lieu of limiting size of temporary openings.
In temporary openings made in jack pine, consider the following: If not counter to reforestation needs, time mechanical treatments to achieve reduction of slash height and to encourage bracken fern and other vegetation to cover slash material.
Areas not classified as High or Moderate SIO Areas fall under the low SIO category.
Forest management activities are readily evident.
Reserve some live trees within temporary openings adjacent to remote campsites (see wildlife reserve tree guidelines).
Locate temporary openings at least 100 feet from the edge of lakes and ponds.
Restrictions, if any, on temporary openings along roads and trails will be determined on a site-specific basis during project
Applicable to High, Moderate, and Low SIO Areas: Minimize the use of road signs as much as possible.
Applicable to High, Moderate, and Low SIO Areas: Road signposts should have natural appearing colors.

Shape and blend permanent openings created through vegetative management with the adjacent characteristic landscape. Avoid straight lines in the design and layout of these openings.
Take advantage of natural openings when creating vistas or enhancing views.
Bury new utility lines within existing rights-of-way (where technology permits). Newly created rights-of-way should have spatial variety (i.e., varied clearing widths and tree heights).
New utilities that cannot be buried (such as radio towers) should be placed on national forest land only after all other ownership locations are determined to be infeasible.
High SIO areas: New overhead utility structures and rights-of-way clearings should be located out of view from the traveling or recreating public, except for distances of less than ¼ mile where no other options exist.
High SIO areas: New overhead utility structures and rights-of-way clearings should be located out of view from the traveling or recreating public, except for distances of less than ¼ mile where no other options exist.
Low SIO areas: New overhead utility structures may be located adjacent to roads and other travel corridors.
Natural reforestation is preferred within high SIO areas. Planting may be done to meet an objective of increasing long-lived
Planting within high and moderate SIO areas should be done in a non-linear pattern, within 100 feet of a travel corridor, use area, or water feature.
Apply tree-marking paint on the sides of trees that face away from travelways, use areas, and water bodies.
Establish a 10-foot slash removal zone adjacent to travelways, use areas, and water bodies within high SIO areas, and where vegetation management activities have occurred adjacent to private land.
Visible portions of timber harvesting or other vegetation removal areas should receive the primary emphasis for slash
The following are non-motorized use area SIO slash height guidelines for visible area up to 150 feet from the edge of trails, recreation use areas, or water bodies: High SIO = Slash height less than or equal to 24 inches, Moderate SIO= Slash Height less than or equal to 24 inches, Low SIO= Slash Height less than or equal to 36 inches.
The following are motorized use area slash height guidelines for the visible area up to 100 feet from the edge of trails, use areas, water bodies, and Maintenance Level 5, 4, and 3 roads: High SIO= slash height less than or equal to 24 inches, Moderate SIO= Slash height less than or equal to 24 inches, Low SIO= Slash height less than or equal to 36 inches.
Borrow from natural or man-made openings in the surrounding landscape, and follow natural boundaries to minimize straight-line opening edges.
Visible temporary opening sizes adjacent to travelways, use areas, or water bodies in motorized and non-motorized settings are described below (the primary emphasis is the visible area in the first 200 feet from the travelway, use area, or water body): High (travel speed low, less than 55 mph)= 0 acres of visible opening size and 0 Percent travelway or shoreline impacted; Moderate (travel speed high, 55 mph)= 5 acres or less of visible opening size and 7.5 percent travelway or shoreline impacted; Moderate= 10 acres or less of visible opening size and 20 percent travelway or shoreline impacted; Low= 40 acres or less of visible opening size and 50 percent travelway or shoreline impacted.

Establish reserve areas when there is a visual need to reduce the apparent size of a temporary opening.
Vary the distance between tree drops to create or re-create a natural appearance. Stumps should either be flush cut or angled away from the water. Where possible, tree drop attachments should be buried.
Reshape and re-vegetate exposed banks to smooth contours.
Partially cover bank stabilization structures with sod and re-vegetate with species that are similar to those growing on the
Use native rock for water structure riprap. Where possible, vary rock size to create a natural appearance.
Shoreline and within stream improvements should maintain natural lake edges and stream meanders.
Use the following order of priority for land acquisition: (1) Habitat for federally listed species and Forest Service Regional Forester Sensitive species; in-holdings within Wilderness areas; and land with frontage on lakes and rivers; (2) Tracts with unique ecological, scientific, heritage, or recreation qualities; and (3) Tracts that consolidate land holdings and provide management access needs.
Use the following order of priority for land exchange (disposal): (1) Lands outside the Forest boundary; (2) Isolated parcels within the Forest boundary; (3) Parcels involved in cases of trespass where exchange would resolve the trespass; (4) Parcels which, through exchange, would reduce the need for landline maintenance and corner monumentation; (5) Tracts that are difficult to manage due to rights-of-way problems, special use permits, or section and quarter-section subdivisions; (6) Lands needed for municipal expansion; and (7) Tracts that do not require public ownership to maintain important ecological or resource values.
Use the following procedure in assigning management area prescriptions for newly acquired national forest system lands: (1) the tract should have the same management area classification as the surrounding national forest land (if it has similar attributes); or (2) if the land has attributes that are unique or different than the surrounding land, the acquired tract will be evaluated by an integrated team to decide its management area designation.
Acquire lands through purchase as a first priority and through land exchange as a second priority.
Acquire lands on a willing seller basis.
The sale or other transfer of National Forest System land on which any hazardous substance was known to have been released or disposed of (such as a landfill with an engineered cover containment system) would be subject to CERCLA 42 USC 9620(h). The sale or other transfer would need to be made in the public interest, and prospective purchasers would need to be notified of the site's history. Any cover containment systems or caps must remain undisturbed.
Ensure that land exchanges (over time) do not result in a net loss of water frontage quantity or quality. The acquisition of high quality developable frontage and high quality clear water lake frontage are preferred over wetland and stained water frontage.
Do not encumber land available for exchange with Forest Service capital improvements that compromise land exchange opportunities (i.e., buildings, developed recreation facilities, dams, and new roads).
Make land disposal decisions on a case-by-case basis where significant improvement investments have been made.
Place roads and utilities for private land access in the same right-of-way corridor and within existing corridors whenever
Do not route new utility corridors through wetlands, riparian areas, and large blocks of mature forest (1,000 + acres) when alternative routes are feasible.
Avoid placing or reconstructing towers in areas where moderate to high bird mortality could occur.
The current 11 recreation residences (Lovers Bay, Washburn District) may remain in place as an appropriate use of National
Do not construct new landfills or reactivate old ones on National Forest system lands.
Provide consistent construction lines, a smooth finish, and a neat appearance for the final shaping and grading of roadbeds, shoulders, and ditch slopes.
Allow back slopes to be rough, partially covered with scattered woody debris, and, if possible, to re-vegetate naturally.
Plant native or desirable non-native species immediately after construction or reconstruction, where natural re-vegetation is unlikely, or sedimentation and erosion are concerns.
Use accepted guidelines (AASHTO) to establish travelway width.

Allow an average of no more than two side road entrances per mile on each side of a High SIO road.
Reduce clearing limits and maintain tree crown closure over roads (as much as possible).
Consider adjusting the clearing limits or road alignment to reserve trees with outstanding scenic qualities.
Highlight outstanding roadside visual features with turnouts and vistas.
Bury slash and grade to contour, remove it from view, or lop it down to 24 inches in the visible area up to 100 feet from the roadside. Bury or place uprooted stumps out of view from the road.
Incorporate aesthetic modifications into the design of bridges, guardrails, major culverts, outlet ditches, and other drainage
Brush roadsides on a 5-year cycle.
Use wood or manmade materials with natural appearing colors on signs and posts.
Use High SIO road guidelines for Forest Service road construction and reconstruction and when the Forest has the opportunity to provide road design or maintenance advice to other jurisdictions that have the authority and responsibility to maintain or improve High SIO roads that cross national forest land (e.g., state and county highways).
Apply High SIO road guidelines with the following change: Moderate SIO roads, compared to High SIO roads, may have a rougher appearance and less consistent construction lines. Also, the final shaping and grading of Moderate SIO roadbeds, shoulders, and ditch slopes need not have as neat an appearance as High SIO roads.
Minimize clearing widths by utilizing cut, fill, and back slope grades that are the steepest permissible for safety, soil conditions, and the height of the cut.
Final shaping and grading of shoulders and ditch slopes may be rough in appearance. Back slopes may also be rough in appearance and covered with loose woody debris.
Restrict weight limits on National Forest System arterial and collector roads when county road weight limits are in effect.
Road decommissioning must render a road inaccessible to all motorized traffic, including all-terrain vehicles. Effectively preventing motorized vehicles from gaining access to any portion of a decommissioned road may involve obstructing access
Render a road inaccessible by reclaiming the first 300 feet (or the distance necessary to prevent viewing the road from an intersecting or adjacent travelway). This action may involve restoration of the natural topography, scarification of the roadbed (deep disking), utilizing erosion control measures, planting trees, and (or) placing natural obstructions (boulders, downed trees, etc.) in the road in such a way that they appear visually haphazard but effectively restrict access. Use a combination of closure devices, including but not limited to berms, boulders, and downed trees, when rendering a road inaccessible.
Roads identified for decommissioning and made inaccessible may receive one of the following levels of landscape restoration: Minimum Level Restoration: Render roads inaccessible, remove stream crossings, and rehabilitate streambeds and banks. This level of restoration is typically applied to Maintenance Level 3, 2, and 1 dead end roads that have only minimally altered the landscape. The roadbed and clearing have few improvements and natural re-vegetation is likely to occur (little or no additional planting or seeding)
Roads identified for decommissioning and made inaccessible may receive one of the following levels of landscape restoration: Moderate Level Restoration: Render roads inaccessible, remove stream crossings, and rehabilitate streambeds and banks. Remove road improvements that contribute to resource degradation and mitigate road improvements that alter the landscape. Moderate level road restoration measures include (but are not limited to) removing road surfacing (if salvageable), establishing erosion control measures on steep grades and cut and fill slopes, removing fill from wetland crossings, removing cross-drainage structures, and assisting re-vegetation where necessary
Roads identified for decommissioning and made inaccessible may receive one of the following levels of landscape restoration: Maximum Level Restoration: Render roads inaccessible, and, as much as possible; completely remove all road improvements from the landscape (signs, gates, culverts, etc.). Restore natural topography, wetlands, and watercourses along the length of the road. Scarify (deep disc) the compacted area and reforest or re-vegetate the entire travelway. Maximum Level Restoration is typically applied to remnant portions of Maintenance Level 5, 4, or 3 roads that have been relocated to repair resource damage, where complete removal and restoration of the roadbed is necessary, or where restoration of the natural landscape is a primary goal (Wilderness study areas, SPNM areas, etc.).

Relocate roads to enhance resource management or improve user safety, utility, and resource protection. Decommission and restore old roadbeds as soon as possible after road relocation has been completed.
Road decommissioning and restoration priorities: Resource protection and (or) restoration.
Road decommissioning and restoration priorities: Abandoned roadbeds and unneeded access roads associated with road
Road decommissioning and restoration priorities: Meeting desired road densities within Wilderness study areas, Management Areas 6A and 6B (semi-primitive non-motorized areas), wild and scenic riverways, Moquah Barrens, and Riley Lake Wildlife
Road decommissioning and restoration priorities: Meeting desired road densities within Research Natural Areas, Special Management Areas, and Old Growth and Natural Feature Complexes.
Road decommissioning and restoration priorities: Local roads that connect to arterial or collector roads scheduled for
Road decommissioning and restoration priorities: Working towards desired total road density within areas not listed above and shown as 2.0 mile/square mile open road density on Road Density Map (See Map packet).
Render inaccessible and restore skid trails that access local or collector roads and remain open to public traffic (skid trails drivable by high clearance four-wheel drive vehicles). This process may be delayed if roads and skid trails need to be utilized for post sale rehabilitation treatments.
Access logging operations from local or collector roads wherever possible.
When the only logging operations access alternative is from a gravel or paved road, the access road should have a gravel surface for the first 100 feet, unless it is used during frozen ground conditions.
Locate landings a minimum of 100 feet from a collector road. Landings should not be located within the road template of an arterial or town road (including the ditch line and back slope). Landing location exceptions can be obtained with written
Skidding should not occur on arterial or town roads.
Roads should provide access to within a specified skidding distance for timber harvesting operations (road access that provides skidding distances of no more than one-quarter mile in most situations). Some terrain and soil types may allow skidding distances of as much as one-half mile. Consult current research information on economic harvesting and skidding techniques before determining a maximum skid distance in a given terrain and soil type.
Minimize road impacts by utilizing soil protection measures described in “Wisconsin’s Forestry Best Management Practices,” March, 1995 edition (or subsequent revisions), and “Wisconsin’s Construction Site Best Management Practices Handbook,”
Stabilize road cut and fill slopes using the most effective, natural-appearing, and cost-efficient methods available.
Consider seasonal road use restrictions (with effective closures) for roads that traverse silt-cap soils. Utilize road design modifications that are environmentally sound and minimize erosive rutting on poorly drained soils.
Control erosion and effectively manage water flow on and adjacent to roads by providing adequate roadside and outlet ditches, ditch checks, and cross-drainage.
Plant native or desirable non-native plant species where vegetative cover is needed to stabilize slopes or decommission a
Insure, to the extent practicable, that road fill and gravel sources do not contain non-native invasive plant species. E2
Avoid stream and wetland crossings, riparian areas, and frost pockets (whenever possible) when constructing or relocating
Emphasize the retention of spruce, balsam fir, and other conifers within aspen stands—initiating transitions to aspen-spruce-fir or aspen-mixed conifer stands.
Increase conifer components (especially black spruce) where spruce grouse are present.
Retain conifers as reserve trees within aspen clearcuts.
Reserve 3 to 7 live trees per acre larger than 11 inches. Focus on the largest trees available.
Reserve tree species such as hemlock, yellow birch, paper birch, red oak, white oak, American beech, white pine, and others that are not well represented in the stand or on the Forests.
Extend the rotation age of aspen. This is a site quality determination but do not exceed 70 years where aspen is to be

Convert most aspen stands to long-lived tree species.
Reserve tree or reserve island guidelines may be used to establish areas or exclusions within timber sale units for restoring or maintaining special or unique habitats.
Leave 15-25% of potential timber salvage unharvested following large disturbance events (greater than 100 acres), except in salvage situations determined high risk to human safety and/or forest health.
Restrict harvest on northern hardwood sites to frozen ground conditions.
Extend the rotation age of aspen. This is a site quality determination but do not exceed 70 years where aspen is to be
Maintain existing conitnuous blocks of northern hardwood closed canpopies.
Retain long-lived conifers and hardwoods as reserve trees within aspen clearcuts. Where long-lived trees are not present—retain short-lived conifers if they are available.
Maintain white pine and hemlock within 300 feet of rivers with a bankfull width of 50 feet or larger.
Increase closed canopy continuity within northern hardwood blocks. Increase the average patch size of northern hardwoods by converting aspen inclusions within the larger northern hardwood blocks.
Manage riparian corridor forest types (especially within 300 feet of rivers with a bankfull width of 50 feet or larger) primarily under uneven-aged management systems and at maximum rotations.
Reserve 3 to 7 live trees per acre larger than 11 inches. Focus on the largest trees available.
Reserve 4 to 9 live trees per acre larger than 11 inches. Focus on the largest trees
Develop and retain trees over 24 inches in diameter to increase the probability of natural gap formation and tip-up mounds. The number of reserve trees over 24 inches in diameter should be included within the 4-9 reserve live tree total. Large (over 24 inches) basswood, ash, yellow birch, and red oak are preferred for retention.
Emphasize the retention of long-lived conifers such as hemlock and white pine (as a component of the reserve live tree numbers). In addition, reserve other tree species that are not well represented in the stand or on the Forests (yellow birch, paper birch, red oak, white oak, American beech, etc.).
(N/A - no 3A in selected action) Maintain existing continuous blocks of northern hardwoods.
Retain long-lived conifers and hardwoods as reserve trees within aspen clearcuts. Where long-lived trees are not present, retain short-lived conifers if they are available.
Extend the rotation age of aspen. This is a site quality determination but do not exceed 70 years where aspen is to be
Increase closed canopy continuity within oak-pine blocks. Convert aspen inclusions to the oak-pine type within large oak-pine
Reserve tree or reserve island guidelines may be used to establish areas or exclusions within timber sale units for restoring or maintaining special or unique habitats.
Leave 15 to 25% of potential timber salvage unharvested following large disturbance events (greater than 100 acres), except in salvage situations determined high risk to human safety and/or forest health.
Prescribed fire is preferred over mechanical means when doing regeneration treatments in oak-pine or when maintaining or restoring fire-dependent species. Use mechanical means as an alternative disturbance mechanism where prescribed fire is not
Maintain or restore white pine and hemlock within upland-lowland transition zones.
Reserve 3 to 7 live trees per acre larger than 11 inches. Focus on the largest trees available.
Reserve 4 to 9 live trees per acre larger than 11 inches. Focus on the largest trees available.
Develop and retain trees over 24 inches in diameter to increase the probability of natural gap formation and tip-up mounds. The number of reserve trees over 24 inches in diameter should be included within the 4 to 9 reserve live tree total. Large white pine over 24 inches and red oak are preferred for retention.

Emphasize the retention of long-lived conifers such as hemlock and white pine (as a component of the reserve live tree numbers). In addition, reserve other tree species that are not well represented in the stand or on the Forests (yellow birch, paper birch, red oak, white oak, American beech, etc.).
Maintain at least 80% of the existing jack pine within the MA.
Extend the rotation age of aspen. This is a site quality determination, but do not exceed 70 years where aspen is to be
Increase closed canopy continuity within pine-oak blocks. Convert aspen inclusions to the pine-oak type within large pine-oak
Reserve tree or reserve island guidelines may be used to establish areas or exclusions within timber sale units for restoring or maintaining special or unique habitats.
Leave 15 to 25% of potential timber salvage unharvested following large disturbance events (greater than 100 acres), except in salvage situations determined high risk to human safety and/or forest health.
Use prescribed fire, natural fire, and (or) mechanical processes that mimic fire to reduce shrub and other tree competition and establish and (or) maintain an open understory for pine warbler habitat and the maintenance and regeneration of white pine.
Provide 100-acre patches of quality pine warbler habitat (red and white pine greater than 70 years, with a 60 to 70% crown closure and very little understory).
Use the maximum jack pine rotation age of 70 years to maintain isolated stands for wildlife species such as Connecticut
Reserve scattered white pine, red pine, and oak trees within jack pine clearcuts.
Reserve 3 to 7 live trees per acre larger than 11 inches. Focus on the largest trees available.
Reserve 4 to 9 live trees per acre larger than 11 inches. Focus on the largest trees available. Priority for reserve tree species selection within aspen clearcuts is 1) long-lived conifers; 2) long-lived hardwoods; 3) short-lived conifers
Develop and retain trees over 24 inches in diameter to increase the probability of natural gap formation and tip-up mounds. The number of reserve trees over 24 inches should be included within the 4 to 9 reserved live tree total. Large (24 inches or more) white pine and red oak are preferred for retention.
Emphasize the retention of long-lived conifers such as hemlock and white pine (as a component of the reserve live tree numbers). In addition, reserve other tree species that are not well represented in the stand or on the Forests (yellow birch, paper birch, red oak, white oak, American beech, etc.).
Emphasize prescribed fire for fuels reduction treatments. Where feasible, combine fuels reduction treatments with ecological restoration activities using prescribed fire.
Allow only naturally occurring structure in lakes and streams.
Prohibit grazing.
Existing forest openings will not be maintained.
Suppress all wildfires. Use of mechanical equipment, including aerial drops, is subject to Forest Supervisor (or Acting)
Use hand tools for construction and maintenance activities. Mechanized equipment and power tools are prohibited (see Fire
Trail tread will be no more than 24-inches wide.
Limit trail brushing to a 6-foot width and an 8-foot height.
Maintain federal corner monuments without signing or painting witness trees.
Use brushing and signing (only) to maintain landline boundaries next to private land. Do not blaze or paint boundary lines.
Corridors for reservoirs, water conservation works, power projects, transmission lines, and other facilities will not be provided.
Wilderness area motorized use will only be permitted for private land access and emergency situations with prior Forest
Prohibit research markings that may be visible for more than three years.
Allow only naturally occurring structure in lakes and streams.
Prohibit timber harvesting
Do not maintain existing forest openings.

Prohibit grazing.
Trail tread will be no more than 24 inches wide.
Limit trail brushing to a 6-foot width and an 8-foot height.
Maintain federal corner monuments without signing or painting witness trees.
Use brushing and signing (only) to maintain landline boundaries next to private land. Do not blaze or paint boundary lines.
Corridors for reservoirs, water conservation works, power projects, transmission lines, and other facilities will not be provided.
Wilderness study area motorized use will only be permitted for private land access and emergency situations with prior Forest Supervisor approval.
Prohibit research markings that may be visible for more than three years.
Allow the stocking of native fish species on a case-by-case basis.
Prohibit the gathering of special forest products for personal use or commercial sale.
Manage for low interaction between users.
Provide only minimum facilities when they are necessary to prevent the deterioration of Wilderness values. Construct facilities with natural materials.
Limit signing to major trail intersections and trailhead facilities.
Trailhead facilities and Wilderness information will normally be located outside of Wilderness boundaries.
Provide, on the average, no more than one mile of non-motorized trail per square mile of area.
Design, construct, and maintain trails to minimize impacts to vegetation, soils, and water.
Wilderness is restricted to non-motorized uses except for the following: Search and Rescue operations with Forest Supervisor
Wilderness is restricted to non-motorized uses except for the following: Fire suppression with Forest Supervisor approval.
Coordinate with local governments to manage boundary roads for high Scenic Integrity Objectives, and where appropriate, at the lowest possible standard to complement adjoining Wilderness areas.
Allow research activities that comply with Wilderness standards.
Locate biological research activities away from trails, facilities, and other areas where people may be concentrated.
Mineral exploration surface occupancy is allowed where mineral rights are federally owned; whenever possible, minimize
Prohibit development of new sources of common variety minerals.
Continue utilization of existing gravel sources, but look for feasible alternative sources.
When surface disturbing mineral exploration of reserved and outstanding mineral rights is proposed, consider reasonable alternatives that minimize impacts to semi-primitive non-motorized values.
Whenever possible, minimize the amount of surface disturbance during mineral exploration. Full-sized surface exploration vehicles will use existing travel ways to access exploration sites. New road construction will be accomplished using only the minimum standards necessary. Minimize the cutting of brush and trees for surface exploration.
Allow the stocking of native fish species on a case-by-case basis.
Prohibit the gathering of special forest products for commercial sale.
Allow non-commercial gathering of special forest products for personal uses (motorized access for gathering is not permitted).
Minimize off-road use of tractors or tractor plows, retardants, constructed helispots, and wheeled tankers.
Post fire suppression activities will include rehabilitation of fire lines, roads, helispots, and other disturbed areas.
Manage for low interaction between users.
Provide only the minimum facilities necessary to prevent the deterioration of Wilderness study area values. Construct facilities with natural materials.
Trailhead facilities and area information will normally be located outside of Wilderness study area boundaries.
Limit signing to major trail intersections and trailhead facilities.

Provide, on the average, no more than one mile of non-motorized trail per square mile of area.
Design, construct, and maintain trails to minimize impacts to vegetation, soils, and water.
Trails are restricted to non-motorized uses with the following exceptions: Emergency search and rescue
Trails are restricted to non-motorized uses with the following exceptions: Fire suppression
Trails are restricted to non-motorized uses with the following exceptions: Law enforcement
Trails are restricted to non-motorized uses with the following exceptions: Trail maintenance
Trails are restricted to non-motorized uses with the following exceptions: Administrative management needs (case-by-case
Consider the special use needs of landowners within Wilderness study areas on a case-by-case basis.
Coordinate with local governments to manage boundary roads for High Scenic Integrity Objectives, and where appropriate, at the lowest possible standard to complement adjacent Wilderness study area.
Allow research activities that comply with Wilderness and Wilderness study area standards.
Locate biological research activities away from trails, facilities, and other areas where people may be concentrated.
Mineral exploration surface occupancy is allowed where mineral rights are federally owned. Whenever possible, surface disturbance will be minimized.
When surface disturbing mineral exploration of reserved and outstanding mineral rights is proposed, consider reasonable alternatives that minimize impacts to semi-primitive non-motorized values.
Whenever possible, exploration for minerals will minimize the amount of surface disturbance. Full-sized surface exploration vehicles will use existing travel ways to access exploration sites. New road construction will be accomplished using only the minimum standards necessary. Minimize the cutting of brush and trees for surface-disturbing activity.
Prohibit grazing.
Timber harvesting is normally not allowed. However, infrequent timber harvesting may take place for any of the following reasons: Harvest involves cutting trees that are needed for maintaining or improving roadless or semi-primitive area characteristics; improving threatened, endangered, and Regional Forester Sensitive Species habitat; or restoring ecosystem composition and structure characteristics.
Timber harvesting is normally not allowed. However, infrequent timber harvesting may take place for any of the following reasons: The cutting, sale, or removal of timber is incidental to the implementation of a management activity.
Timber harvesting is normally not allowed. However, infrequent timber harvesting may take place for any of the following reasons: The timber harvesting is needed for public protection, pest control management, or to create desired conditions for tree regeneration following catastrophic events such as wind or fire.
Prohibit the gathering of special forest products for commercial sale.
Allow non-commercial gathering of special forest products for personal uses (motorized access for gathering is not permitted).
Minimize off-road use of tractors or tractor plows, retardants, constructed helispots, and wheeled tankers.
Post fire suppression activities will include rehabilitation of fire lines, roads, helispots, and other disturbed areas.
Manage for low interaction between users.
Minimize the presence of structures, facilities, and signing.
Trails are restricted to non-motorized uses with the following exceptions: Emergency search and rescue
Trails are restricted to non-motorized uses with the following exceptions: Fire suppression
Trails are restricted to non-motorized uses with the following exceptions: Law enforcement
Trails are restricted to non-motorized uses with the following exceptions: Trail maintenance
Trails are restricted to non-motorized uses with the following exceptions: Administrative management needs (case-by-case
Trails are restricted to non-motorized uses with the following exceptions: ATV/Snowmobile use of existing ATV/snowmobile trails. Coordinate with local communities to relocate ATV/snowmobile trails outside of SPNM areas when reasonable

Limit national forest development interior roads to those that provide access for resource management or facility maintenance, and ingress to private land. These roads will be managed at the lowest traffic service and maintenance levels possible, and will be closed to public motorized vehicle traffic.
Restore all decommissioned roads to some level of landscape restoration, or convert them to trails.
MA 6B areas are designated as MA6B-1B, 6B-2A, etc. Standards and guidelines for both Management Areas are applied; when they conflict the more restrictive Standards or Guidelines prevail.
Limit clearcuts to 10 acres and design them to maximize benefits for early successional wildlife species.
Retain most of the long-lived northern hardwood and conifer large diameter trees (a diameter at breast height of 19 inches or more) within 200 feet of travel ways and use areas.
Remove the appearance of rows when thinning pine plantations.
Timber sales will be of appropriate size to be completed in about 3 years duration. Divide areas larger than 6,000 acres into two equal units. Apply the three-year duration to each sub-unit.
Limit timber harvesting treatments to no more than one-half of the upland acres (e.g., north half of the area) within individual 6B areas during any ten-year period.
Allow the gathering of special forest products for personal use and commercial sale.
Prohibit motorized access for gathering special forest products.
Post fire suppression activities will include the rehabilitation of all fire lines, roads, helispots, and other disturbed areas.
Minimize the presence of structures, facilities, and signing.
Trails are restricted to non-motorized uses with the following exceptions: Emergency search and rescue
Trails are restricted to non-motorized uses with the following exceptions: Fire suppression
Trails are restricted to non-motorized uses with the following exceptions: Law enforcement
Trails are restricted to non-motorized uses with the following exceptions: Trail maintenance
Trails are restricted to non-motorized uses with the following exceptions: Administrative management needs (case-by-case
Trails are restricted to non-motorized uses with the following exceptions: ATV/Snowmobile use of existing ATV/snowmobile trails. Coordinate with local communities to relocate ATV/snowmobile trails outside of SPNM areas when reasonable
Close national forest development roads to public motorized vehicle traffic and limit density of interior roads to 3.0 miles per
Restore all decommissioned roads to some level of landscape restoration, or convert them to trails.
Prohibit use of vehicles (including snowmobiles) off of roads. Close and rehabilitate user-developed motorized trails to prevent resource damage.
Protect and enhance the values that caused the Brule River to be included as a study river. Emphasize protection of free flow, water quality, and features of outstanding value.
Prohibit minerals activities for federally owned minerals that would change eligibility for wild river status on stream segments that are eligible for wild status as well as State designated wild rivers. USDA consent to mineral extraction plans will be determined individually based on the relative value of the surface/subsurface resources and consideration of effect on “Wild” character and eligibility for wild status.
Minerals activities for federally owned minerals may be permitted on a case-by-case basis on river segments with an eligible scenic or recreation status.
Provide naturally appearing restoration and improvement fish habitat structures within wild, scenic, and recreational river
Timber harvesting will not occur within wild river segments except for emergency situations or valid mining claims.
Timber harvesting can occur within scenic segments for the purpose of restoring or enhancing fish and wildlife habitat, visual quality, forest health, tree vigor, and long-lived large diameter trees. Even-aged management practices will not be visible from any point on the river and will not be permitted within 200 feet of river shorelines. Even-aged management practices will not be visible from any point on the Pine and Popple Rivers (State designated wild status) and will not be permitted within 400 feet of river shorelines.

Allow all silvicultural harvesting techniques within recreation segments (except clearcutting is not permitted where it is visible from the river). Timber harvesting within areas visible from the river will be for the purpose of restoring or enhancing fish and wildlife habitat and visual quality. Timber harvests will be designed to create a large-tree character, and a species composition that favors long-lived, large-diameter trees.
Construction of major new recreation facilities (campgrounds, major trailheads, etc.) will not occur within wild or scenic river segments. Construction of minor recreation facilities that maintain or enhance river values (such as primitive campsites) are permitted within scenic segments, and are permitted on a case-by-case basis within wild segments.
New road and motorized trail construction is not permitted within eligible or designated wild river corridors.
Prohibit the development of new sources of common variety minerals.
Prohibit domestic livestock grazing.
Prohibit recreational use that threatens or interferes with the objectives or purposes for which the RNA was established.
Prohibit the establishment of new facilities and corridors for utility rights-of-way.
Permit educational and research use as long as it will not result in unacceptable impacts to RNA values.
Prohibit the development of new sources of common variety minerals.
Prohibit grazing.
Prohibit domestic livestock grazing
Use native plant species for restoration activities. Use non-native plant species only if they are needed to prevent irreversible
Vegetation management is permitted for the continuation of existing studies, the development of new research projects or maintenance of species composition per the direction of the North Central Forest Experiment Station.
Salvage timber harvest, as a result of wind or other natural events, is allowed in coordination with the North Central Forest
Gathering of special forest products for personal use or commercial sale is allowed.
Wildlife and fish habitat manipulation shall be coordinated and approved by the North Central Forest Experiment Station.
Control actions against insects and diseases shall be coordinated and approved by the North Central Forest Experiment
Vegetation management is done only to enhance seed orchard objectives as determined by the Seed Orchard Manager.
Gathering of special forest products is not permitted for commercial sale.
Wildlife and fish habitat manipulation will be permitted when consistent with seed orchard objectives and with Seed Orchard
The Seed Orchard Manager shall initiate Control actions against insects and diseases.
Forest management practices will enhance the recreation and/or wildlife values of these areas.
Use even-aged management practices where forested stands are to be retained.
Clearcuts will be 300 acres or less.
Permanent openings can be larger than 300 acres.
Manage 70 to 80% of the Riley Lake upland area in grasses, low shrubs, and young trees. Maintain approximately 20 to 30% of this area in stands of aspen, northern red oak, scrub oak, and jack pine.
Maintain the Moquah Barrens Core Area in a mostly open, early-successional barrens condition.
Manage the Satellite Barrens Areas for a higher percentage tree cover than the Moquah core area. Tree cover will be scattered clumps and individual trees and have a canopy closure that ranges from mostly open to 50% closed.
Use natural regeneration to develop species composition.
Minimize disturbance at lek sites during the breeding season.
Prohibit the gathering of special forest products for commercial sale.
Permit non-commercial gathering of special forest products for personal uses.
Vary the prescribed burning regime by lengthening burn intervals, allowing fuels and topography to determine intensity, and alternating the seasons when prescribed burning is applied.
Minimize the construction of facilities, structures, and signing; and encourage “no-trace” camping.

Interior road density will not exceed 2.0 miles of classified road per square mile of national forest land.
Area classified roads will be Maintenance Level One or Two. Some Moquah Barrens decommissioned roads may be converted to fire breaks if necessary.
Construct temporary roads when new transportation corridors are needed.
Monitor and control non-native invasive plant species during construction, reconstruction, and maintenance of classified and temporary roads; and after the decommissioning and landscape restoration of unclassified and temporary roads. Use only local source (endemic) native plant species for revegetation.
Identify and restore (over time) channel segments degraded by scour or excessive sedimentation
Rock roller dams and remnants of logging dams and other similar structures will be evaluated on a case-by-case basis to determine if they will be removed, modified, or maintained.
Restore wild rice beds and other aquatic macrophytes where suitable.
Emphasize the use of native and desirable non-native plants for restoration activities.
Maintain recreational navigability when conducting river habitat restoration projects such as the placement of large woody debris, rocks, and other structures.
Timber harvesting within 150 feet of the river will be for the purpose of establishing long-lived, large diameter trees such as white pine, red pine, hemlock, northern white cedar, white spruce, and to lesser extent red maple, red oak, and sugar maple.
Prohibit the gathering of special forest products, for commercial sale, within 100 feet of designated or eligible wild, scenic, and recreation rivers. Non-commercial gathering of special forest products for personal uses is permitted within these areas. Commercial and personal use gathering is permitted outside of the above-listed riverside zones.
New recreation facilities within wild and scenic corridors will not be readily visible from the river.
The overall interior road density for eligible or designated wild, scenic, and recreation river corridors will not exceed 2.0 miles of classified road per square mile of national forest land.
Restore all decommissioned roads to some level of landscape restoration.
Do not designate new motorized trails within eligible or designated scenic and recreation river corridors. Where the designation and use of motorized trails is unavoidable—they will be located at least 400 feet from eligible or designated scenic rivers and at least 100 feet from eligible or designated recreation rivers.
Trails that cross eligible or designated wild, scenic, or recreation rivers will cross on existing bridges.
Surface disturbing mineral activities will be approved or disapproved on a case-by-case basis where minerals are federally owned. Whenever possible surface disturbance will be limited.
When surface disturbing mineral exploration and development of reserved and outstanding mineral rights is proposed, consider reasonable alternatives that minimize impacts to RNA values.
Acquisition of reserved and outstanding mineral rights will be considered on a willing seller / willing buyer basis.
Existing common variety minerals developments may be utilized. Consider RNA values if full utilization requires vegetation
Use native plant species for restoration activities. Use non-native plant species only if they are needed to prevent irreversible
Vegetation management is not permitted unless the desired vegetation type would be lost or degraded without treatment. Management practices will approximate the vegetation and processes that govern natural succession.
Hazard trees may be cut but not removed.
Prohibit the gathering of special forest products for personal use or commercial sale.
Wildlife and fish habitat manipulation will not be permitted unless it's consistent with RNA objectives and is needed to maintain the character or purpose of the area.
Allow prescribed fire within a prescription designed to accomplish specific RNA objectives where it is part of the natural disturbance regime, where it is needed to maintain or restore ecosystems, and where it is called for in the establishment

Minimize the disturbance of soil and water resources by designing fire suppression activities to fit each individual situation.
Minimize the disturbance of soil and water resources. Minimize control actions against native insects and diseases, and native plant and animal pests. Allow limited control actions to protect adjacent resources or the features for which the research
Do not install signs or construct trails or other improvements unless they contribute to RNA objectives or area protection.
Prohibit the use of horses, bicycles, and motorized vehicles on RNA trails.
Clearly identify RNA boundaries, monument corners, and turning points.
Do not issue special use permits except as mandated by law or agreement. Exceptions may be made for research or educational activities. Phase out existing special use permits when feasible.
Do not construct buildings unless they are needed to meet RNA objectives. Existing structures may be maintained.
Do not construct new roads.
Restore all decommissioned roads to some level of landscape restoration.
Surface disturbing mineral activities will be approved or disapproved on a case-by-case basis where minerals are federally owned. Whenever possible surface disturbance will be limited.
When surface disturbing mineral exploration and development of reserved and outstanding mineral rights is proposed, consider reasonable alternatives that minimize impacts to SMA values.
Existing common variety mineral sources may be utilized.
Allow natural processes to determine SMA composition, structure, and function.
Vegetation management and commercial timber harvesting will not be permitted unless needed to maintain the character or purpose of the SMA.
Do not conduct salvage timber operations except in the following situations: There is a threat to human life, SMA resources or
Do not conduct salvage timber operations except in the following situations: There is a threat to adjacent lands.
Do not conduct salvage timber operations except in the following situations: The area no longer retains the characteristics for which it was designated.
Do not allow wildlife and fish habitat manipulation unless it enhances or does not affect the character or purpose of the area.
Allow prescribed fire within a prescription designed to accomplish specific SMA objectives (where fire is part of the natural disturbance regime, where it is needed to maintain or restore ecosystems, and where it is described in the establishment
Fire control within SMAs will use methods that result in minimal disturbance.
Do not use control actions against endemic insects, diseases, or plant and animal pests unless the action is necessary to protect adjacent resources or SMA values.
Minimize non-motorized trail construction and maintenance.
Relocate motorized trails if they interfere with SMA objectives, in cooperation with local communities.
Do not construct or designate horse trails.
Apply high scenic integrity objectives for visual quality.
Do not issue special use permits except as mandated by law or agreement. Exceptions may be made for research or educational activities. Phase out existing special use permits when feasible.
Do not construct buildings unless they are needed to support SMA objectives. Examples are temporary gauging stations and instrument shelters.
Do not construct new roads unless they protect or contribute to special MA values.
Manage national forest development interior roads at the lowest traffic service and maintenance levels possible
Restore decommissioned roads to the Minimum, Moderate or Maximum level of restoration as outlined in “Road Decommissioning and Landscape Restoration” in Chapter 2, Forestwide Standards and Guidelines.

Research is permitted if it does not compromise the values for which the area was designated.
Identify, evaluate, and designate SMAs with outstanding natural characteristics, or unique recreation features and (or)
New sources of common variety minerals (sand and gravel) will not be developed.
Surface disturbing mineral activities will be approved or disapproved on a case-by-case basis where minerals are federally owned. Whenever possible surface disturbance will be limited.
When surface-disturbing mineral exploration of reserved and outstanding mineral rights is proposed, consider reasonable alternatives that minimize impacts to old growth values.
Existing common variety mineral sources may be utilized.
Do not harvest timber except as salvage operations.
Do not conduct salvage timber operations except in the following situations: There is a threat to human life, Old Growth
Do not conduct salvage timber operations except in the following situations: There is a threat to adjacent lands.
Do not conduct salvage timber operations except in the following situations: The area no longer retains the characteristics for which it was designated.
Conduct wildlife and fish habitat manipulation only where needed to maintain the character or purpose of the area.
Allow prescribed fire within a prescription designed to accomplish specific old growth objectives.
Fire control within old growth areas will use methods that result in minimal disturbance.
Do not use control actions against endemic insects, diseases, or plant and animal pests unless the action is necessary to protect adjacent resources or old growth area values.
Do not construct new campground facilities. Some primitive campsite construction may be allowed.
Do not construct buildings unless they are needed to meet old growth area objectives.
Manage National Forest classified roads within MA 8G at the lowest traffic service and maintenance level possible.
Restore decommissioned roads to the Minimum, Moderate, or Maximum level of restoration as outlined in “Road Decommissioning and Landscape Restoration” in Chapter 2, Forestwide Standards and Guidelines.

Plan Page	Applies to
2-2	See stand charts for stands for D3. See stand charts for D7.
2-1	NA
2-2	Con 1 through 15 for construction. Reconsrtuction roads are 2102C, 2107B, 2107H, 2272AA, 2272AAA, 2303A, 2309E, 2309K, 2309KA, 2322C, 2327A, 2327B, 2602, 2958, 2993, 3008, 3009, 3178, 64247, 94112, 94141, 94142, 94148, 94149, 94228, 94811, 94812, 942292, 942293, 942362, 942372, 942376, 942389, 948415, 9403165, 9403177, 9403191, 9403196, 9403199, 9403212, 9403228, 941301, 941304, 941306, 9413108, 941339, 941346, 941356, 941395, 941432, 941449, 941450, 941460, 941465, 941449, 941450, 941460, 941465, 941477, 9421106, 9421107, 9421116, 9422106, 9422106, 9422107, 942124, 942150, 942152, 942156, 942159, 942160, 942163,942166, 942169, 942170, 942173, 942174, 942224, 942226, 942230, 942232, 942233, 942254, 942258, 942282, 942292, 942293, 942362, 942372, 942376, 942389, 948415,
2-2	All stands
2-2	All Stands
2-3	All stands
2-2	All stands
2-16	All stands
2-2	NA
2-17	See stand charts
2-2	All stands
2-18	NA
2-2	See stand charts for D3 and D7

2-18	NA
2-2	All stands
2-19	Use where needed
2-2	NA
2-19	NA
2-2	See stand charts for D3 and D7
2-19	NA
2-2	All stands and road construction activities-Con 1 through 15
2-25	Where needed
2-2	All stands
2-26	NA
2-3	All stands
2-26	NA
2-3	Con 1 through 15
2-27	NA
2-3	Where needed
2-27	NA
2-3	See stand chart
2-27	NA
2-3	NA

2-27	NA
2-3	All stands
2-27	NA
2-3	See stand chart
2-28	NA
2-3	NA
2-28	NA
2-3	See stand chart
2-28	NA
2-3	NA
2-28	NA
2-3	NA
2-28	NA
2-3	See stand chart
2-28	NA
2-4	NA
2-33	NA
2-4	Included in presciption
2-33	NA
2-4	Where needed

2-34	NA
2-4	NA
2-36	Included in transportation design
2-4	See stand chart
2-36	All stands
2-4	NA
2-4	NA
2-4	See stand chart
2-4	Included in presciption
2-5	NA
2-5	NA
2-5	NA
2-5	Included in presciption
2-5	NA
2-5	Included in presciption
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2-13	Included in presciption
2-13	NA
2-13	NA
2-14	Where needed
2-14	Where needed
2-14	Included in presciption
2-14	Included in presciption
2-14	Included in presciption
2-14	Included in presciption
2-14	NA
2-14	NA
2-14	NA
2-14	NA
2-14	All stands
2-15	All stands
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2-15	All stands
2-15	All stands
2-15	NA
2-15	NA
2-16	NA
2-16	NA
2-16	NA
2-16	NA
2-16	Where needed
2-16	NA
2-16	NA
2-16	NA
2-16	NA

2-16	NA
2-16	NA
2-17	All activities proposed for road decommission, road construction (Con 1, 2, 5, 6, 9, 10, and 12) and/or temporary access that cross streams.
2-17	NA
2-17	See stand chart for D3 and D7
2-17	NA
2-17	NA
2-17	NA
2-17	NA
2-17	NA
2-17	NA
2-17	NA
2-18	NA
2-18	NA
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2-18	NA
2-18	NA
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2-18	NA
2-18	NA
2-18	NA

2-19	Where needed
2-19	NA
2-20	Where needed
2-20	NA
2-20	NA
2-20	NA
2-20	NA
2-20	NA
2-20	NA
2-21	Where needed
2-21	Where needed
2-21	Where needed
2-21	Where needed
2-21	Completed
2-21	NA
2-21	NA
2-21	NA
2-20	NA
2-21	NA
2-21	NA
2-21	NA
2-21	NA

2-22	NA
2-22	NA
2-22	NA
2-22	NA
2-22	NA
2-22	NA
2-22	Where needed
2-22	NA
2-23	NA
2-23	NA
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2-23	NA
2-23	NA
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2-23	NA
2-24	NA
2-24	NA
2-24	NA
2-24	Where needed

2-24	Where needed
2-24	NA
2-24	NA
2-24	NA
2-24	NA
2-25	Included in presciption
2-25	Included in presciption
2-25	Included in presciption
2-25	Included in presciption
2-25	Included in presciption
2-25	Included in presciption
2-25	Included in presciption
2-25	Completed
2-25	Where needed
2-25	Where needed
2-25	Where needed
2-25	Where needed
2-26	Included in presciption
2-26	NA
2-26	NA
2-26	NA
2-26	NA
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2-26	NA
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2-27	NA
2-27	NA
2-27	NA
2-27	NA
2-27	NA
2-28	NA
2-28	NA
2-28	NA
2-28	NA
2-28	NA
2-28	NA
2-29	NA
2-29	NA
2-29	NA
2-29	All stands

2-29	51-27, 52-7, 53-3, 54-13, 68-7, 68-15, 68.-4, 68-36, 68-40, 68-44, 68-56, 76-6, 76-15, 77-2, 77-8, 78-23. 78-24, 78-26, 78-27, 79-2, 82-15, 91-44, 92-3, 93-9, 93-11, 95-2, 95-7, 95-12, 95-13, 95-18.
2-29	NA
2-29	77-2, 77-8, 78-23, 78-24, 78-26, 78-27
2-29	54-15, 54-16, 54-17, 58-34, 168-23, 182-3
2-29	Included in prescription
2-29	NA
2-29	See stand charts
2-30	See stand charts
2-30	See stand charts
2-30	NA
2-30	See stand charts
2-30	Included in prescription
2-30	NA
2-30	NA
2-30	NA
2-30	See stand charts
2-30	NA
2-30	73-31, 73-34, 77-, 90-4, 166-1
2-30	See stand charts
2-30	See stand charts
2-30	See stand charts
2-30	Included in prescription
2-30	Included in prescription
2-30	NA
2-30	166-1
2-31	NA
2-31	NA
2-31	NA

2-31	Included in prescription
2-31	NA
2-31	NA
2-31	NA
2-31	NA
2-31	NA
2-31	NA
2-31	Included in prescrption
2-31	Included in prescription
2-31	Included in prescrption
2-32	Included in prescription
2-32	Included in prescription
2-32	24' applies to 77-2, 77-8, 77-9, 78-27
2-32	24" slash applies to 54-15, 54-16, 54-17, 58-34, 68-2, 82-15, 168-23,182-1, 182-3. Roads include 50-24, 51-27, 52-7, 53-3, 54-3, 54-13, 54-17, 55-22, 55-23, 67-10, 68-7, 68-15, 68-24, 68-29, 68-30, 68-36, 68-38, 68-40, 68-44, 68-48, 68-56, 76-6, 76-15, 76-16, 76-21, 76-36, 76-37, 76-40, 78-21, 78-23, 78-24, 78-26, 78-27, 78-34, 82-15, 82-16,83-3, 83-4, 83-7, 83-23, 83-28,84-27, 87-1, 87-11, 87-12, 88-1, 89-2, 89-3, 89-4, 89-12, 90-1, 90-2, 90-4, 90-5, 90-71, 91-3, 91-10, 91-44, 92-3, 92-14, 92-55, 95-2, 95-7, 95-10, 95-12, 95-13, 95-18, 96-6, 96-29, 165-27, 168-23, 182-1.
2-32	Included in prescrption
2-32	50-24, 51-27, 52-7, 53-3, 54-3, 54-13, 54-15, 54-16, 54-17, 55-22, 55-23, 58-34, 67-10, 68-2, 68-7, 68-15, 68-24, 68-29, 68-30, 68-36, 68-38, 68-40, 68-44, 68-48, 73-31, 73-34, 76-6, 76-15, 76-16, 76-21, 76-36, 76-37, 76-40, 77-2, 77-8, 78-21, 78-23, 78-24, 78-26, 78-27, 78-34, 82-15, 82-16, 83-3, 83-4, 83-7, 83-23, 83-28, 84-27, 87-1, 87-11, 87-12, 89-2, 90-1, 90-2, 90-4, 90-5, 90-71, 91-3, 91-10, 91-44, 92-3, 92-14, 92-55, 93-15, 95-2, 95-7, 95-10, 95-12, 95-13, 95-18, 96-6, 96-29, 165-27, 166-1, 168-23, 182-1, 182-3.

2-32	As needed
2-33	NA
2-33	NA
2-33	NA
2-33	NA
2-33	NA
2-33	NA
2-33	NA
2-34	NA
2-34	NA
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2-34	NA
2-34	NA
2-34	NA
2-34	NA
2-34	NA
2-34	NA
2-34	NA
2-34	NA
2-34	NA
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2-35	Included in transportation design
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2-37	Included in transportation design
2-37	Included in transportation design
2-38	Included in transportation design
2-38	Included in transportation design
2-38	All stands
2-38	Included in transportation design
2-38	Included in transportation design
2-38	Included in transportation design
2-38	Included in transportation design
2-38	Where needed
2-38	Included in transportation design
3-6	NA
3-6	NA
3-6	NA
3-6	NA
3-6	NA
3-10	Included in presciption

3-10	NA
3-10	NA
3-11	NA
3-11	NA
3-11	NA
3-11	Included in presciption
3-11	Included in presciption
3-11	Included in presciption
3-11	Included in presciption
3-11	Included in presciption
3-11	Included in presciption
3-11	NA
3-11	NA
3-11	Included in presciption
3-15	NA
3-15	NA
3-15	NA
3-16	NA
3-16	NA
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3-16	NA
3-16	Included in presciption
3-16	NA
3-16	NA

3-16	Where needed
3-20	Included in prescription
3-20	Included in prescription
3-20	Included in prescription
3-20	Included in prescription
3-20	Included in prescription
3-21	Included in prescription
3-21	Included in prescription
3-21	NA
3-21	Included in presciption
3-21	Included in presciption
3-21	Included in presciption
3-21	Included in presciption
3-21	Included in presciption
3-21	Included in presciption
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3-47	NA
3-48	NA
3-48	NA
3-51	NA
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3-51	NA
3-51	NA
3-51	NA
3-51	No harvest
3-51	No harvest
3-51	NA
3-52	NA
3-52	NA

3-52	NA
3-52	No harvest
3-52	NA
3-52	NA
3-52	NA
3-53	NA
3-53	NA
3-53	NA
3-53	Included in transportation design
3-54	NA
3-54	NA
3-54	NA
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3-56	NA
3-56	Do not construct new roads unless they protect or contribute to special MA values.
3-56	Included in transportation design
3-56	Included in transportation design

3-56	NA
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3-58	Included in transportation design
3-58	Included in transportation design